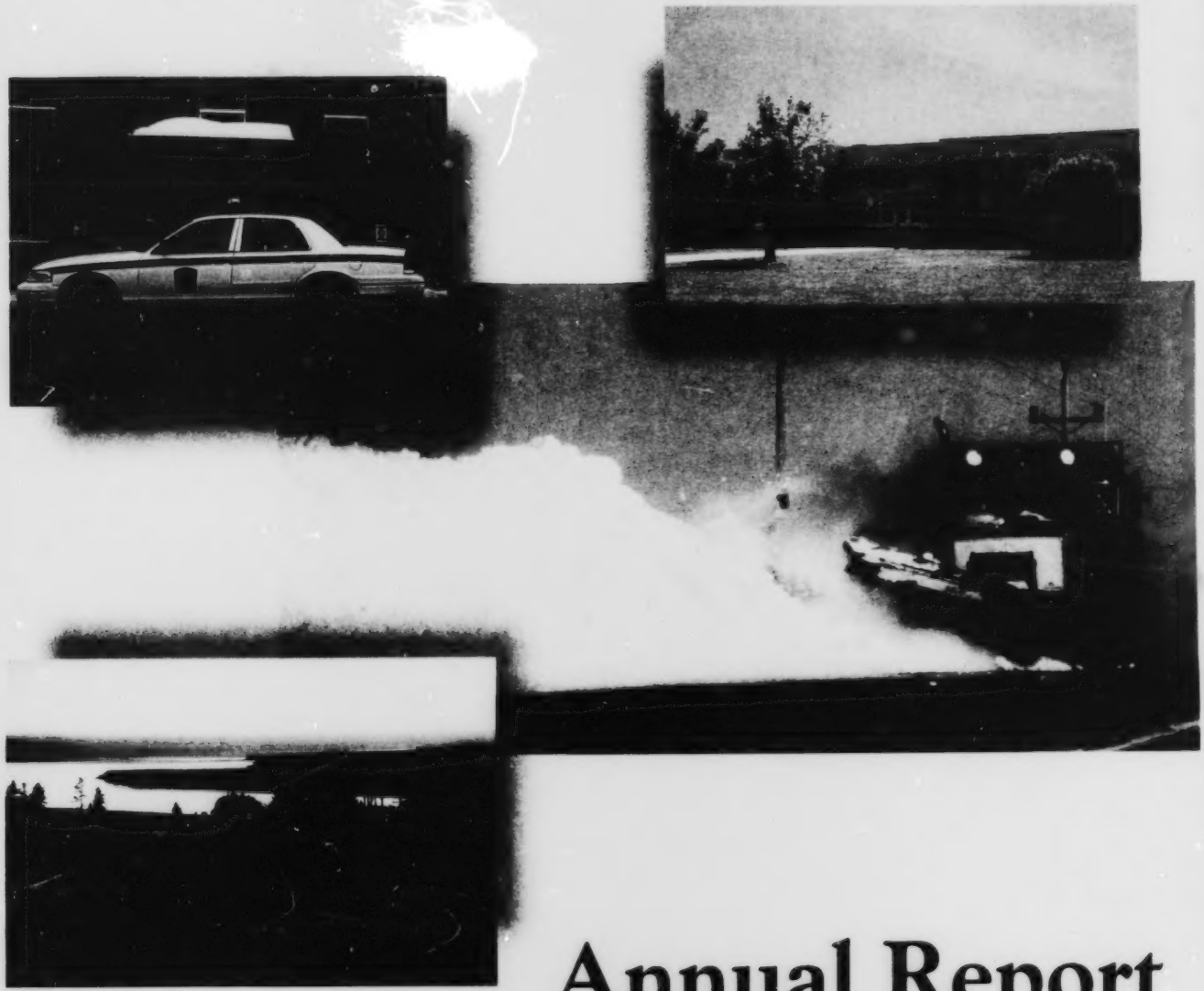
Prince Edward Island
CANADA

Transportation & Public Works



Annual Report 2000-2001

Prince Edward Island
CANADA

Department of Transportation and Public Works

Annual Report

for the year ending March 31, 2001

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Prince Edward Island
CANADA

The Honourable Leonce Bernard
Lieutenant Governor of Prince Edward Island

May It Please Your Honour:

I respectfully submit herewith, for the information of Your Honour and the Legislature of Prince Edward Island, the Annual Report of the Department of Transportation and Public Works for the period April 1, 2000 to March 31, 2001.

Respectfully submitted,

Don MacKinnon
Minister

Prince Edward Island
CANADA

The Honourable Don MacKinnon
Minister
Department of Transportation and Public Works
Province of Prince Edward Island

Sir:

I am pleased to submit to you the Annual Report of the Department of Transportation and Public Works for the period April 1, 2000 to March 31,2001.

The activities of the respective Divisions are recounted in the following pages of the Report.

Respectfully Submitted,

Tom Harland, P.Eng.
Deputy Minister

Mandate:

The mandate of the Prince Edward Island Department of Transportation and Public Works is to contribute to economic development and the quality of life in this province by maintaining and enhancing, in an affordable way, the essential transportation systems and services for the efficient and safe movement of people, goods, and services.

It is also necessary to provide the infrastructure necessary for the efficient conduct of government through services to other government departments in the areas of building construction, crown land management, building maintenance, and accommodations.

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DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

MISSION STATEMENT:

The role of the Department of Transportation and Public Works is four-fold:

- **To provide high quality and timely policy advice to the Government of Prince Edward Island on all matters related to transportation and public works;**

- **To provide transportation infrastructure and foster development of a safe, efficient, affordable and environmentally sustainable transportation system for the movement of people and goods;**

- **To provide quality services to the rest of Government in the areas of building construction, Crown land management, building maintenance, accommodations and telecommunications; and**

- **To support development of the Prince Edward Island economy.**

Clients include transportation users, enforcement agencies, the construction industry, and other Government Departments.

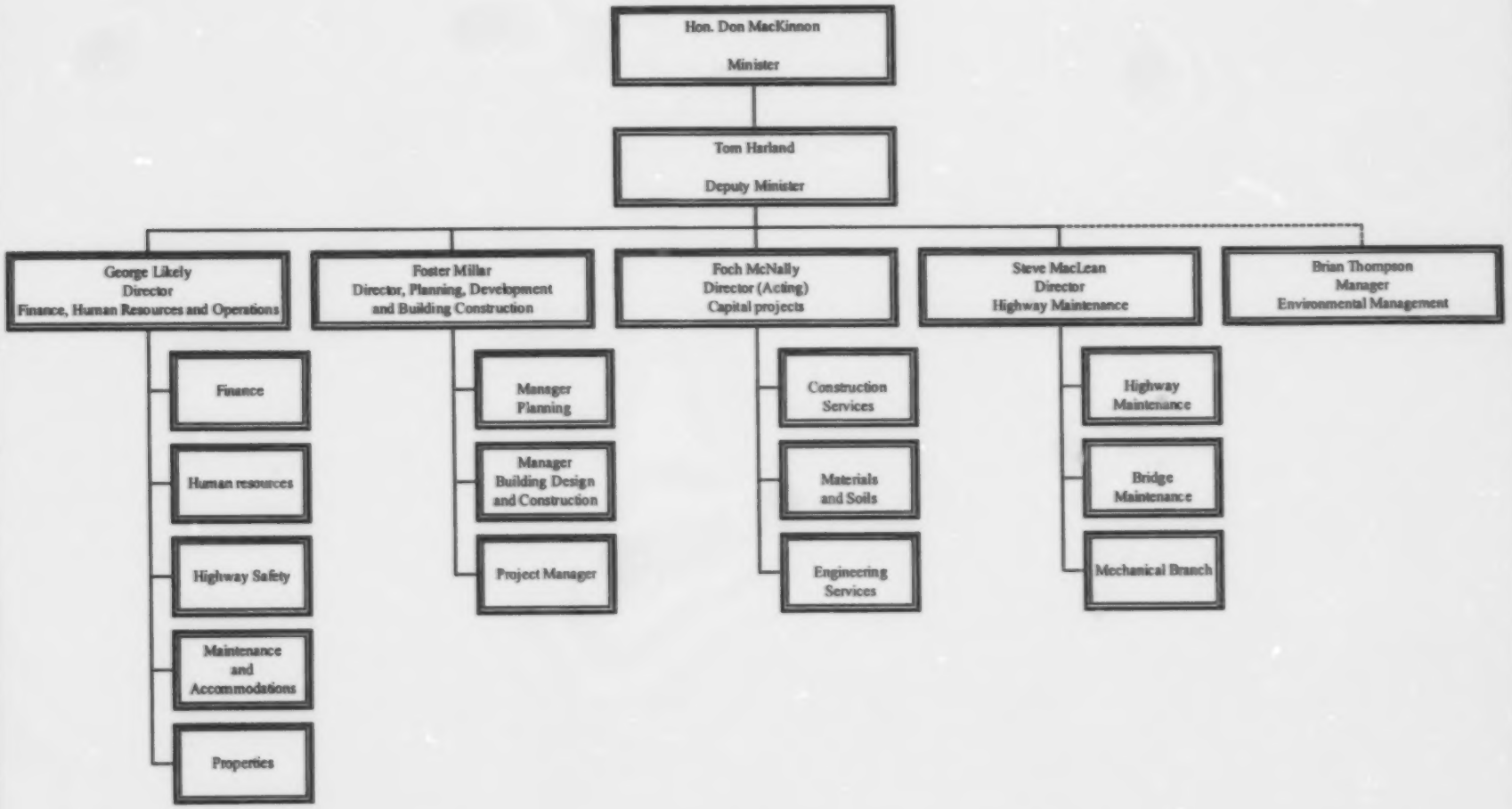
LEGISLATIVE RESPONSIBILITIES:

- **Architects Act**
- **Crown Building Corporation Act**
- **Dangerous Goods (Transportation) Act**
- **Engineering Profession Act**
- **Expropriation Act**
- **Georgetown Common Land Act**
- **Highway Traffic Act**
- **Land Survey Act**
- **Land Surveyor's Act**
- **Off-Highway Vehicle Act**
- **Public Works Act**
- **Roads Act**

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Minister	Hon. Don MacKinnon
Administrative Assistant	Louise Macdonald
Deputy Minister	Tom Harland
Administrative Assistant	Nancy MacKinnon
PLANNING DEVELOPMENT AND BUILDING CONSTRUCTION	Foster Millar
ENVIRONMENTAL MANAGEMENT	Manager, Brian Thompson
FINANCE, HUMAN RESOURCES AND OPERATIONS	George Likely
Finance	Robert Clow
Human Resources	Mike Ready
	Charles Thomas
Highway Safety Operations	Wilfred MacDonald
	John MacDonald
Maintenance and Accommodations	Wayne Peters
Properties	Paul Knox
CAPITAL PROJECTS	Foch McNally
Western Region Engineer	Steve Yeo (Acting)
Central Region Engineer	Alan Aitken (Acting)
Eastern Regional Engineer	Matt Collins (Acting)
Materials and Soils	Terry Kelly
Planning & Design Engineer	Allan(Jake) Bartlett
HIGHWAY MAINTENANCE	Steve MacLean
Highway Maintenance, Western	Mike Berrigan
Highway Maintenance, Central	Gordie Lund
Highway Maintenance, Eastern	Gerard Morrison
Bridge Maintenance	Donnie Blanchard
Mechanical Branch, Western	Bob Fitz
Mechanical Branch, Central	David Clements
Mechanical Branch, Eastern	Charles MacLaren

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
PROVINCE OF PRINCE EDWARD ISLAND



Environmental Management Division

The Division is responsible to ensure continued environmental management and regulatory compliance during construction and maintenance works performed by the Department or by Others within the Provincial right-of-way. The Division also plays a key role in addressing a variety of public issues relative to environmental management including environmental assessments and studies, and program / policy development. Highlights of the Division's activities in 2000 - 2001 are provided below.

Environmental Protection Plan

The Division coordinated the development of an all-encompassing Environmental Protection Plan (EPP) for the Department. The EPP is an environmental field guide that describes protection procedures specific to the various activities associated with road and bridge construction and maintenance work, as well as public development activities. The EPP also outlines the environmental roles and responsibilities of all persons involved in TPW activities, construction methods for sediment and erosion control structure, environmental contingency planning for accidental events, and names and contact numbers for key environmental personnel.

The EPP is a "live" document, able to incorporate suggestions from field personnel or revised environmental standards from regulators.

Project Approval Process

The Department's Approval Process remains the cornerstone for environmental control on a project-by-project basis. This process requires each maintenance or construction project, or any work activity by Others within the Provincial right-of-way, be registered with the Environmental Management Division (EMD) through submission of a project application form. Subsequently, the proposed projects are inspected and assessed for potential environmental effects, and an Approval-to-Proceed is issued complete with project specific conditions-of-approval.

Two new Blanket Approvals were successfully introduced in 2000/2001; one for brush cutting and one for gradall ditching along the Confederation Trail. Accordingly, as compared to the previous fiscal year, the number of projects completed under Blanket Approvals increased and the number completed under standard Approvals decreased slightly. Generally, a Blanket Approval provides authorization for multiple projects of the same activity-type to be completed under a single, county-based Blanket Approval.

As well, as compared to previous years, there was an increase in the number of project applications for Public Works activities.

Project Approvals

The Division processed 381 Environmental Assessments/Project Approvals during the 2000/2001 Fiscal Year. Typically, each Approval involves a preconstructing project site inspection, allocation of job-specific Conditions-of-Approval, processing the Approval-to-Proceed, and follow-up environmental compliance inspections on each individual project. A regional breakdown of these 381 Project Approvals is provided in the table below. A total of 147 Approvals were issued for Prince County, 119 Approvals for Queens County, and 115 Approvals for Kings County.

ENVIRONMENTAL MANAGEMENT DIVISION PROJECT APPROVALS
(Includes Watercourse Alteration Permits)

COUNTY	APPROVALS	RENEWALS	TOTAL
Prince	146	1	147
Queens	118	1	119
Kings	114	1	115
Total number of approvals issued for 2000/2001			381

Four types of Approvals exist:

- EMD Approval (no Watercourse Alteration Permit);
- EMD Approval with an accompanying EMD Watercourse Alteration Permit;
- EMD Approval with an accompanying Watercourse Alteration Permit issued by Provincial Fisheries, Aquaculture and Environment; and
- Blanket Approvals for specific TPW activities that have "predictable" environmental effects and "standardized" Conditions-of-Approval.

The number of Approvals issued for each of these four Approval types is presented below.

County	Blanket Approval	EMD Approval (only)	EMD Approval & EMD Permit	EMD Approval & DTE Permit	Total
Prince	12	49	60	26	147
Queens	12	42	29	36	119
Kings	11	26	45	33	115
Province	35	117	134	95	381

Blanket Approvals

In 2000-2001, 35 Blanket Approvals were issued. Under these Blanket Approvals, a total of 617 individual projects were completed. A summary of projects completed in each county for the various Blanket Approval types is shown in the following table:

2000 Blanket Approvals Summary

Blanket Approval Type	Number of Projects Completed Under Approval			Province Wide Total
	Kings County	Queens County	Prince County	
Millings Placement	25	17	21	63
Road Bumps	0	10	6	16
Shore Access	0	12	12	24
Maintenance of Environmental Controls (including check dams)	26	59	11	96
Guardrail Reinstatement (with shoulder work)	57	47	10	114
Confederation Trail	0	21	47	68
Timber Pile Work	10	3	13	26
Gradall Ditching	34	35	71	140
Brush Cutting	0	70	0	70
Totals	152	274	191	617

Definitions

Definitions for the various Blanket Approval Types are provided below:

Millings Placement - refers to millings typically placed at sags of roads adjacent to watercourses to reduce the amount of silt runoff. The millings reinforce the road, avoid rutting especially from spring traffic and reduce the amount of exposed soil.

Road Bumps - normally constructed on unpaved roads at the sag of a road crest to force runoff water from the road to leave the road before it reaches a watercourse.

Shore Access - refers to routine maintenance that is necessary to maintain the access roads to the shore for fishers, in particular.

Maintenance of Environmental Controls (including check dams) - refers to the removal of environmental structures that have served their purpose, and work necessary to keep these structures in good working condition.

Guardrail Reinstatement (with shoulder work) - refers to work necessary to repair the guardrail components, or, in the case where the shoulder needs repair to remove guardrail, repair the shoulder and replace the guardrail.

Confederation Trail Work - refers to maintenance required to maintain the surface of the trail. It includes work such as the placement of surface material and the cutting of brush.

Timber Pile Work - work required for (a) removal of aged timber pile bridge components or (b) minor repair to existing timber pile bridges.

Gradall Ditching - includes all ditching work done by a smooth cutting ditching bucket as approved, to a cutting bucket with teeth.

Brush Cutting - refers to the removal or trimming of brush (i.e. shrubs, bushes, small trees) from within the Provincial right-of-way typically required to maintain safe sight distances, facilitate snow and ice removal, improve roadside appearance or prevent drainage obstructions.

Environmental Audit Results

An end-of-season environmental audit was conducted in the Fall of 2000. A representative audit data set consisting of 45 randomly selected projects from across the Province were audited. The audit results conclude that eighty-seven percent (87%) of TPW projects conducted in the 2000 construction season met or exceeded their associated environmental requirements.

Training

To compliment the introduction of the Department's Environmental Protection Plan (EPP), environmental education and training sessions were again provided to Department staff, contractors and consultants. The training program included a section-by-section review of the entire EPP, a question / answer period that resulted in constructive comments from Department operators and other staff, and a review of the Department's application and approval process.

Other Services

The Environmental Management Division provided environmental services for several public interest projects including:

- member of an Industry and Government Working Group for the Elimination of Livestock Access to Provincial Watercourses;
- coordinated development of a Terms of Reference, and awarded subsequent contract, for an environmental assessment of three potential modification options for the Mount Stewart Rails-to-Trails Causeway Structures;
- coordination of environmental study in New London Bay area entitled Environmental Investigation of Trout, Anderson and Hope River Bridges in Relation to Estuarine Water Quality;
- chairing of the Mill River Watershed Round Table Committee that has an overall objective of identifying and addressing sources of environmental health issues in the Mill River and its tributaries, and coordinating management activities associated with a Modelling Study assessing eutrophication problems in the Mill River Estuary; and
- chairing of the Intergovernmental Committee for the Summerside West End Development Project;
- continued participation on the Agricultural Runoff Committee that was set up in response to fish kills that the Province experienced in 1999;
- assisting Watershed Groups in the development of environmental restoration programs and environmental solutions to problems related to our highway infrastructure.

In the latter, the Department of Transportation and Public Works was able to address 34 specific environmental concerns that were identified by Provincial watershed groups (WHIP) including two hanging culvert problems that were making fish passage impossible.

PLANNING, DEVELOPMENT & BUILDING CONSTRUCTION DIVISION

The Division is responsible for the assessment and analysis of transportation requirements within the Province including road, air and ports, combined with the planning and implementation of major projects initiated by various other provincial departments, agencies, corporations and committees. The Division is also responsible for the planning, design and construction of capital projects relating to building construction and major repairs or renovations for the Department as well as clients departments and agencies.

General activities and specific projects undertake by each section are summarized as follows:

PLANNING

The Planning section is responsible for providing professional engineering support and direction in the areas of:

- strategic and functional highway planning, preliminary design options, preparation and review of traffic studies; to provide project management support and supervision of special projects relating to transportation planning, design and highway construction; and to represent the department during the planning and implementation of infrastructure development projects on behalf of municipalities and community development groups;

- strategic federal policies, regulations, infrastructure and services including aviation and ports on Prince Edward Island; to provide support and planning, regarding the implementation and management of transportation research initiatives of new technologies which have the potential to contribute to the enhanced economic development on PEI by improving safety and efficiencies of the provincial network, and

- monitoring and participating in federal and provincial initiatives relating to global warming and climate change as well as other federal initiatives relating to transportation.

The following is a list of projects that the Planning Section has been involved with over the last year:

Intelligent Transportation System, (ITS)

Intelligent Transportation Systems (ITS) include the application of advanced information and communication technologies to make our transportation systems safer, integrated, efficient and environmentally accountable. This technology can provide enhancement to public and rural transportation in the region improving efficiency in: traffic, public transit, commercial vehicle management and traveller information.

On September 28, 2000, Transport Canada accepted a proposal from the Atlantic Provinces for the completion of a Atlantic Regional ITS Strategic Plan as part of the federal government's "Intelligent Transportation Systems Plan for Canada: En Route to Intelligent Mobility". This regional initiative will provide a coordinated approach to provincial ITS deployment initiatives resulting in interoperable technologies, uniform strategies, exchange of information, interagency cooperative agreements and technology transfer.

The Province in cooperation with the other three Atlantic Provinces and Transport Canada have developed the terms of reference for this Study which focuses on developing a comprehensive roadmap setting the direction and pace of ITS investments within each of the four Atlantic Provinces over the next ten years and beyond in a coordinated and focussed manner. The development of a regional strategic plan will lay the necessary ground work for the implementation of ITS application in the four Atlantic Provinces.

Areas of particular interest to the Atlantic Provinces include such ITS applications as Advanced Traveller Information Systems (ATIS), Commercial Vehicle Operations (CVO) and Road Weather Information Systems (RWIS).

The Request for Proposal is expected to be released in April 2001.

Charlottetown Area Transportation Study

In September of 2000, the Charlottetown Area Development Corporation announced a comprehensive transportation study for the City of Charlottetown, and the Towns of Stratford and Cornwall. The Charlottetown Area Transportation Study is a joint effort between this Department, the Department of Development and Technology, CADC, the City of Charlottetown and the towns of Stratford and Cornwall. A major deliverable of the project will be a computer based transportation model with representation of the major street network within the study area. The Model will enable the City, Towns and the Province to accurately envision and forecast traffic patterns within the study area.

Data has been collected relating to the transportation infrastructure, traffic volumes, employment and parking within the study area and is presently being analysed. Final report is expected by November 2001.

Public Transportation

In the Speech from the Throne the Province committed to conducting a thorough examination of the concept of public transit, including the various economical, environmental and community implications surrounding public transportation to determine what possible benefits might accrue.

In July 2000, the Department became a member of the Canadian Urban Transportation Association (CUTA) to become more familiar with public transit operations in Canada and in particularly within similar sized jurisdictions as PEI and Charlottetown. Preliminary review indicates that considerable subsidy is required to maintain the operation of a public transit

system. Divisional staff continue to learn more about existing private transportation operations on PEI, investigating the demographics of the potential ridership, geographic area's of need and associated operating and capital costs. Staff from this Division also participated in the Shifting Sands Conference sponsored by the PEI Seniors Federation. Seniors are often identified as a potential ridership and there is an anticipated increase in the number seniors within the next ten to 15 years as a result of the baby boom generation.

PEI Marine Port Divestiture

In December 1995, Transport Canada announced the creation of a National Marine Policy, calling for modernization of the marine management and regulatory regime and greater efficiency and effectiveness in the marine transportation sector. The direction of the National Marine Policy is to commercialize ports, waterways and services formerly provided by the Canadian Coast Guard such as ice-breaking, navigational aids, dredging and other marine services.

The port facilities in Charlottetown, Summerside, Souris, and Georgetown are important economic generators in these communities and to the Province as a whole. While these ports do not handle the high volume of traffic handled by other Maritime ports such as Halifax or Saint John, they do have significant traffic which is important to the Island's economy.

In June, 2000, Transport Canada initiated discussions with the Province concerning the divestiture of the four Island ports. The Province continues to work with the Federal government on this issue and believes that full discussion and consideration of all the relevant factors may enable the two levels of government to reach an acceptable agreement regarding the future operation of the four Federal Island ports.

Air Transportation

The National Airports Policy (NAP) was a commercialization initiative representing a Government of Canada vision for airports to ensure a safe, secure and viable National Airports System that would serve Canada into the 21st century. The divestiture and transfer process of airports to local airport authorities was successful in terms of bringing business practices and community involvement to local airports. However some smaller airports have expressed concerns regarding their financial viability.

However, these changes to the air industry coupled with the merger of Canadian Airlines International into Air Canada have impacted the number of regional service flights. Route rationalization and changes in aircraft type are affecting flight frequency, routings, and route capacities, scheduling and fares with consequent effects on airports activity and revenues. As a result, a number of airports are concerned about their ability to operate and maintain their facilities.

Bill C-26, which was tabled in Parliament in February 2000 and came into force on July 5, 2000 was created to deal with the issues surrounding airline restructuring. The legislation accomplishes two goals: it ensures effective consumer protection and it fosters competition.

In April 2000, the Transport Minister Transport Canada has launched a review of our international air services policy. This review will look at liberalizing Canada's policy for scheduled international air services, including how we negotiate and manage air traffic rights with other countries. The review has begun with a consultation document, released in February 2001, that seeks the views of Canadian stakeholders on the essential question of how far Canada should move in liberalizing trade in the international air sector.

In knowing that the issues surrounding airline restructuring are not something that would resolve itself overnight, the Transport Minister announced, on August 1, 2000, three appointees to monitor the progress of airline restructuring. Two appointees were responsible for monitoring air travel complaints while a third appointee established as an Independent Transition Observer on Airline Restructuring. The appointees are responsible for producing semi-annual reports on the impacts of airline restructuring.

If by spring 2001, Air Canada has not been able to operate in the public interest, Transport Canada will then revisit the state of the industry and consider whether further pro-competitive measures are required. Fostering competition within the industry is paramount for the viability of small airports and its impacts on provincial economies.

Canadian Transportation Act Review Submission

In June of 2000 Transport Canada announced the review of the Canadian Transportation Act, as well as other acts of parliament, for which the Minister of Transport is responsible. In February 2001, the Planning Division prepared a report that was submitted by the Minister to the CTA Review Panel, recommending that the Canadian Transportation Act contain legislation that requires the Federal Government and Transport Canada to:

- provide guaranteed, long term, minimum funding for highway investment,
- recognize and compensate provinces for the unavailability of direct rail access,
- ensure safety and consistency for highway users between provinces and regions,
- invest a significant portion of the federal fuel tax in highway infrastructure,
- provide guaranteed, long term, minimum funding for Northumberland Ferries Limited's Wood Islands to Caribou ferry service,
- support trade corridors by improving communications and cooperation between provinces, states, and other international markets, and
- ensure the viability of small airports through increased capital assistance, increased international air access and continued support towards fostering competition.

The CTA Review Panel has one year to report on the economic regulation of transportation activities under the legislation authority of Parliament.

Global Warming and Climate Change

The Division continues to participate on national committees addressing the issue of climate change, including the *Federal/Provincial Transportation Working Group on Climate Change* and the *Data Strategy Committee*. These committees continue to define a national strategy to reduce transportation-related greenhouse gas emissions and methods of measuring our progress on these initiatives.

Community Development Projects

The Division provided planning advise to a number of Community development groups interested in developing infrastructure within their community and to Town Councils relating to access concerns and intersection realignment associated with proposed major commercial developments. Projects and proposed projects included:

Wood Islands Development Project
Montague Main Street Commercial Development
Trans Canada Highway and Kinlock Road Intersection redesign
Trans Canada Highway and Mason Road/ Tea Hill Intersection preliminary planning
Stratford Business Park Development
Canavoy Medical Springs Community Development Project
Cardigan Fish Hatchery Interpretive Center
Montague/ Pools Corner Industrial Park

DEVELOPMENT

Staff from the Division have been assigned to various projects, including Community related projects as well as major projects under the direct control of other Departments and clients.

Ongoing development related projects that continue to involve the Director and Division staff include:

New East Prince Health Facility
Sunset Lodge Replacement
Eastern School District Offices
Queen Elizabeth Hospital Expansion

BUILDING DESIGN AND CONSTRUCTION

In addition, planning and design was underway for the following projects to be tendered in the future:

St. Peter's Consolidated School - Roofing Repair
Task Ventilation - School Bus Depots Cardigan & Charlottetown
West Prince Visitor Information Centre
Parkdale Elementary School - Gymnasium Addition
Southern Kings Consolidated School - Window Replacement
Hernewood Jr. High School - Roofing Repair

Centre Scolaire et Communautaire de Summerside-Miscouche
Spring Park Elementary School - Window Replacement
M.E. Callaghan Jr. High School - Wheelchair Lifts

Construction supervision, inspection and contract administration was provided for the following projects during the year:

Mt. Stewart Consolidated School - Flooring
Summerside Intermediate School - Phase I
PEI Home Nurses Residence Window Blinds
Montague Regional High School - Roofing
Prince Street School - Window Replacement
Bluefield High School - HVAC Upgrade
Bluefield High School - Storage Shed
M.E. Callaghan Junior High School - Flooring
M.E. Callaghan Junior High School - Exterior Metal Siding
Fort Augustus School
Sullivan Building - 5th Floor - Lab Counters and Fume Hoods
Rollo Bay Consolidated School - Window Replacement
Ecole Evangeline - Flooring Replacement
Westisle School - Industrial Dust Collection
Tignish Liquor Store - Interior Renovation
Bluefield High School - PA and AV Systems Upgrade
St. Louis Elementary School - Roofing Repair
Amherst Cove School - Flooring Replacement
Parkside Elementary School - Masonry Repair
Hernewood Intermediate School - Exterior Metal Siding
Souris Consolidated School - Partial Roof Repair
Vernon River Consolidated School - Gymnasium Flooring
West Prince Regional Service Centre - Access PEI Ventilation
Stonepark Intermediate School - Gym Floor Replacement
Grand Tracadie Elementary School - Window Replacement
Cardigan Consolidated School - Roof Replacement
Dundas Consolidated School - Window Replacement
Sullivan Building - Third Floor - Interior Renovation
West Kent Elementary School - Window Replacement
Relocation of Portable Classrooms
Gulf Shore Consolidated School - Flooring Replacement
Bloomfield Elementary School - Replace Lights
O'Leary Elementary School - Renovations
Ecole Evangeline - PA System Upgrade
St. Teresa's & Tracadie Cross Schools - Humidifier Replacement
West Prince French School - Site Preparation
West Prince French School - Renovations - Mobile Classrooms
Brighton Road Office Complex - Site Sign
Eastern School District Office Repairs

Three Oaks High School - Reading Recovery Room Renovation
Provincial Lab - Steam Sterilizer
Kings County Memorial Hospital - Window Replacement
Cardigan Liquor Store Renovation
University Avenue Liquor Store - Cash Counter
O'Leary Elementary School Underground Oil Tank Replacement
Davies Law Courts - Heat Pump Exchangers
3rd Floor shaw Building - Interior Renovation
Basement Jones Building - Carrier Free Access & Corridor Upgrade
Government House - Heating System Replacement
Waterfront Mall Liquor Store Renovation
1st Floor Shaw building - Carpet Replacement
Mt. Stewart Consolidated School - Window Replacement
Westwood Elementary School - Flooring Replacement
Ellerslie Elementary School - Roofing Repair

SCHEDULE OF CONSTRUCTION TENDERS RECEIVED

April 1, 2000 - March 31, 2001

Mt. Stewart Consolidated School - Flooring - April 11, 2000

Tile Master Inc.	$28,000.00
The Floor Store Co. Ltd.	$31,915.00
Maintenance Services Ltd.	$32,008.30
Loyalist Marble & Tile	$32,600.00

PEI Home Nurses Residence - Window Blinds - April 11, 2000

Interiors by Linette	$8,635.00
New Look Blinds	$9,146.00
House of Excellence	$9,020.00

Summerside Intermediate School - Phase I - April 14, 2000

Schurman Construction	$2,149,400.00
Fitzgerald & Snow	$2,187,000.00
MacLean Construction	$2,216,500.00
Force Construction	$2,361,481.00

Montague Regional High School - Roofing - April 18, 2000

Dominion Roofing (DRL)	$41,500.00
Ashe Roofing	$45,800.00
Atlantic Roofers	$48,837.00
R.D.B. Enterprises	$73,488.00

Prince Street School - Window Replacement - April 18, 2000

Brumac Construction	$130,964.00
K.M.B. Construction	$133,900.00
WM & M (1993) Ltd.	$137,000.00
Star Construction	$145,000.00
Schurman Construction	$147,440.00

Bluefield High School - HVAC Upgrade - April 20, 2000

Gavin Gill Inc.	$28,450.00
MacIntyre Sheet Metal	$28,940.00
Sherbrooke Mechanical	$28,990.00
J & S Sheet Metal Ltd.	$30,700.00

Bluefield High School - Storage Shed - April 27, 2000

Mayflower Construction	$23,935.00
Schurman Construction	$27,900.00
WM & M (1993) Ltd.	$28,248.00
Brumac Construction	$28,568.00
Star Construction	$31,860.00
Highfield Construction	$32,300.00
Wellington Construction	$35,177.00
Trent Pollard	$35,375.00

M.E. Callaghan Junior High School - Flooring - April 27, 2000

Dean's Flooring	$38,345.00

M.E. Callaghan Junior High School - Exterior Metal Siding - April 27, 2000

Maddix Construction	$18,844.00
Wellington Construction	$20,970.00
G.I. Adams Construction	$21,200.00
WM & M (1993) Ltd.	$21,400.00
Schurman Construction	$23,355.00

Star Construction	$24,200.00
Perry Construction	$24,300.00
Highfield Construction	$26,990.00
MacLean Construction	$29,500.00

Fort Augustus School - May 4, 2000

Schurman Constration	$2,998,700.00
MacLean Construction	$3,055,000.00
Maricon Construction	$3,078,000.00
Southern Kings Construction	$3,157,500.00
Fitzgerald & Snow Ltd.	$3,184,000.00

Sullivan Building - 5th Floor - Lab Counters and Fume Hoods - May 9, 2000

MacLean Construction	$36,990.00
Schurman Construction	$42,700.00

Rollo Bay Consolidated School - Window Replacement - May 11, 2000

WM & M (1993) Ltd.	$69,200.00
B.Clinton Construction	$70,906.00
Star Construction	$72,500.00
Brumac Construction	$75,900.00
Brothers Developments	$79,445.00
MacLean Construction	$81,550.00
Schurman Construction	$85,295.00

Ecole Evangeline - Flooring Replacement - May 11, 2000

Wellington Construction	$18,990.00
Tile Master	$19,300.00
Dean's Flooring	$22,195.00

Westisle School - Industrial Dust Collection - May 11, 2000

MacIntyre Sheet Metal	$45,932.00
Sherbrooke Mechanical	$46,400.00
Sayers & Associates	$49,874.00
Gavin Gill Inc.	$49,953.00

Tignish Liquor Store - Interior Renovation - May 24, 2000

Perry's Construction	$26,600.00
Schurman Construction	$28,339.00
Star Construction	$30,500.00
Norm's Carpentry	$32,670.00

Bluefield High School - PA and AV Systems Upgrade - May 25, 2000

Olympia Electric	$63,000.00
DBA Solar Electric	$65,583.00
Hansen Electric Ltd.	$82,000.0

St. Louis Elementary School - Roofing Repair - May 25, 2000

Atlantic Roofers	$99,829.00
DRL Roofing	$99,900.00
Ashe Roofing	$104,600.00
RDB Enterprises Ltd.	$113,800.00
Flynn Canada Ltd.	$128,800.00

Amherst Cove School - Flooring Replacement - May 25, 2000

Dean's Flooring	$17,660.00
Tile Master Inc.	$19,300.00

Parkside Elementary School - Masonry Repair - June 1, 2000

D & M Morash Steeplejacks Co. Ltd.	$34,400.00
R & G Masonry Ltd.	$79,800.00

Hernewood Intermediate School - Exterior Metal Siding - June 8, 2000

Maddix Construction	$19,600.00
Schurman Construction	$21,629.00
Star Construction	$23,450.00
Highfield Construction	$23,625.00
MacLean Construction	$23,625.00
WM & M (1993) Ltd.	$23,672.00
Lyn Gor Developments	$39,306.00

Souris Consolidated School - Partial Roof Repair - June 8, 2000

Ashe Roofing	$27,900.00
Atlantic Roofers	$31,891.00
DRL Roofing Ltd.	$34,775.00
RDB Enterprises Ltd.	$42,870.00

Vernon River Consolidated School - Gymnasium Flooring - June 8, 2000

Schurman Construction	$115,000.00
WM & M (1993) Ltd.	$124,000.00
Highfield Construction	$127,893.00
Lyn Gor Developments	$179,696.00

West Prince Regional Services Centre - Access PEI Ventilation - June 13, 2000

MacIntyre Sheet Metal	$93,920.00
Sherbrooke Mechanical	$97,282.00

Stonepark Intermediate School - Gym Floor Replacement - June 13, 2000

WM & M (1993) Ltd.	$184,000.00
Schurman Construction	$186,300.00

Grand Tracadie Elementary School - Window Replacement - June 15, 2000

MacLean Construction	$31,275.00
Star Construction	$39,900.00
WM & M (1993) Ltd.	$42,230.00
Doucette Insulators	$57,675.00

Cardigan Consolidated School - Roof Replacement - June 15, 2000

Ashe Roofing	$45,400.00
Atlantic Roofers	$45,644.00
DRL Roofing	$51,500.00
RDB Enterprises	$66,800.00

Dundas Consolidated School - Window Replacement - June 22, 2000

Lyn Gor Developments	$98,240.00
B. Clinton Construction	$105,668.00
WM & M (1993) Ltd.	$109,000.00
Schurman Construction	$120,000.00
MacLean Construction	$124,700.00

Sullivan Building - Third Floor - Interior Renovation - June 29, 2000

MacLean Construction	$236,900.00
WM & M (1993) Ltd.	$256,000.00
KMD Construction	$259,400.00
Schurman Construction	$264,600.00

West Kent Elementary School - Window Replacement - June 29, 2000

KMD Construction	$119,400.00
Star Construction	$119,400.00
MacLean Construction	$124,958.00
WM & M (1993) Ltd.	$137,394.00
Schurman Construction	$144,100.00
Lyn Gor Developments	$176,300.00

Relocation of Portable Classrooms - June 30, 2000

P.D. Construction	$27,850.00
Move-All Structures	withdrawn
VanWiechen Construction	withdrawn
Flynn's Transporting	$31,900.00

Gulf Shore Consolidated School - Flooring Replacement - July 4, 2000

Tile Master Inc.	$28,526.00
Dean's Flooring	$29,595.00

Bloomfield Elementary School - Replace Lights - July 4, 2000

Gaudet's Electrical	$29,702.00
Prince Electric	$34,114.00
Olympia Electric	$35,900.00
DBA Solar Electric	$44,149.00
LeClair Electric	$48,890.00

O'Leary Elementary School - Renovations - July 11, 2000

G.I. Adams Construction	$69,800.00
Schurman Construction	$82,573.00
Star Construction	$84,600.00
Maddix Construction	$87,800.00
Wellington Construction	$104,900.00

Ecole Evangeline - PA System Upgrade - July 11, 2000

DBA Solar Electric	$25,963.00
Olympia Electric	$26,000.00

St. Teresa's & Tracadie Cross Schools - Humidifier Replacement -July 20, 2000

Sayers & Associates	$10,845.00
Entire Mechanical	$11,400.00
Blair LaPierre Inc.	$11,553.00

West Prince French School - Site Preparation - July 21, 2000

Gaudette's Transit Mix	$24,880.00
Harper's Construction	$51,786.00

West Prince French School - Renovations - Mobile Classrooms - August 8, 2000

G.I.A. Ltd.	$95,000.00
Perry's Construction	$107,000.00

Brighton Road Office Complex - Site Sign - August 29, 2000

Quick Draw Signs & Graphics	$2,145.00
Sign Craft Inc.	$3,209.00
United Sign	$4,433.00

Eastern School District Office Repairs - August 31, 2000

WM & M (1993) Ltd.	$24,400.00
Brumac Construction	$24,870.00
Schurman Construction	$28,900.00

Three Oaks High School - Reading Recovery Room Renovation - August 31, 2000

Schurman Construction	$18,648.00
WM & M (1993) Ltd.	$19,547.00

Provincial Lab - Steam Sterilizer - September 7, 2000

Mr. Plumber	$70,773.00
Sayers & Associates	$75,806.00

Kings County Memorial Hospital - Window Replacement - September 21, 2000

Schurman Construction	$49,900.00
MacLean Construction	$57,000.00
WM & M (1993) Ltd.	$61,913.41
Brothers Developments	$64,880.00
Brumac Construction	$72,490.00

Cardigan Liquor Store Renovation - September 26, 2000

Schurman Construction	$350,500.00
Brumac Construction	$357,200.00
Gill Construction	$364,000.00
WM & M (1993) Ltd.	$367,000.00
MacLeod Construction	$370,300.00
Star Construction	$378,000.00
Brothers Developments	$397,341.00

University Avenue Liquor Store - Cash Counter - October 19, 2000

Williams Murphy & MacLeod Ltd.	$9,500.00
MacLean Construction	$9,795.00
Schurman Construction	$13,047.00

O'Leary Elementary School Underground Oil Tank Replacement - October 20, 2000

Creed's Petroleum Ltd.	$18,383.07
Mathews Lime Spreading	$20,900.00

Davies Law Courts - Heat Pump Exchangers - December 21, 2000

Bevan Bros. Limited	$80,700.00
Sayers & Associates	$82,600.00
Precision Mechanical	$85,213.63
MacIntyre Sheet Metal	$88,900.00
Mr. Plumber	$91,817.00

3rd Floor Shaw Building - Interior Renovation - February 13, 2001

Southern Kings Construction	$386,783.00
Gill Construction	$413,000.00
WM & M (1993) Ltd.	$416,000.00
Avondale Construction	$420,495.00
MacLean Construction	$427,900.00
Schurman Construction	$429,600.00

Basement Jones Building - Barrier Free Access & Corridor Upgrade - February 22, 2001

MacLean Construction	$58,900.00
Gill Construction	$62,450.00
Schurman Construction	$62,775.00
WM & M (1993) Ltd.	$64,700.00

Government House - Heating System Replacement - February 27, 2001

Precision Mechanical	$111,800.00
Entire Mechanical	$115,000.00
Blair LaPierre Inc.	$116,995.00

Waterfront Mall Liquor Store Renovation - March 6, 2001

Schurman Construction	$534,985.00
Star Construction	$550,000.00
WM & M (1993) Ltd.	$561,600.00
Wellington Construction	$569,800.00
MacLean Construction	$573,900.00
Maddix Construction	$625,375.00
Lyn-Gor Developments	$629,418.00

1st Floor Shaw Building - Carpet Replacement - March 7, 2001 (invited)

Just Floors	$8,446.00
House of Excellence	$8,952.00
Wacky Wheatley's	$10,177.00
Floor Works	$10,723.00
Dean's Flooring	$14,895.00

Mt. Stewart Consolidated School - Window Replacement - March 8, 2001

MacLean Construction	$38,590.00
WM & M (1993) Ltd.	$41,585.00
Tom Gill Construction	$45,765.00
Schurman Construction	$46,500.00
Lyn Gor Developments	$53,572.00
Camco Construction	$61,651.00

Westwood Elementary School - Flooring Replacement - March 8, 2001

Loyalist Marble & Tile	$34,700.00
Dean's Flooring	$36,190.00
Tile Master	$38,800.00

Ellerslie Elementary School - Roofing Repair - March 8, 2001

Atlantic Roofers	$117,392.00
Ashe Roofing	$119,600.00
DRL Roofing Ltd.	$131,500.00
RDB Enterprises	$138,597.00

FINANCE, HUMAN RESOURCES AND OPERATIONS DIVISION

The Finance, Human Resources and Operations Division is responsible for the financial and personnel services of the Department as well as Highway Safety Operations, Building Maintenance and Accommodations Operations and Properties Section. The responsibility of this division is to provide staff with accessible, accurate and timely on-line information on all matters relating to Administration, Finance, Human Resources and Information Systems and to facilitate payments for goods and services. The Highway Safety Operations' responsibility is to promote safe conditions for highway users, issue drivers licences and registrations for vehicles and administer Highway Traffic Act, Off Highway Vehicle Act, Roads Act and Transportation of Dangerous Goods Act. The Building Maintenance and Accommodations Section is responsible for operating and maintaining Government buildings. The Properties Sections is responsible for managing Provincial Lands to their best potential use.

Finance Section

The Finance Section is responsible for the financial services of the Department. This includes the preparation of the annual budget, budget control, departmental accounting, purchasing, inventory control, and other related administrative support functions.

A detailed summary of Ordinary and Capital Expenditures for the year ending March 31, 2001, follows at the end of this Annual Report.

Human Resources Section

The Human Resources Section is responsible for the planning and administration of the Department's Human Resources and Information Technology initiatives.
The work of the section includes the following:
-Personnel and Payroll Services
-Departmental Training Administration
-Organizational Development
-Seasonal and Permanent Staffing
-Position Classification
-Collective Bargaining and Contract Interpretation
-Management Consultation
-Management of the Department's hardware and software technologies

During the year the following activities took place:

- Ongoing staff training

- Casual Conversion has been completed

HIGHWAY SAFETY OPERATIONS

Highway Safety operates offices in Summerside (Access PEI), and provides driver testing and driver improvement services to Alberton and Montague. The main branch office is located in Charlottetown which provides the general administration, safety programs and registration functions for the Department.

The overall objective is to promote and enforce safe conditions for highway users, issue driver's licenses, provide registration for vehicles and drivers, and to support the Minister of Transportation and Public Works in the administration of the *Highway Traffic Act*, *Off-Highway Vehicle Act*, *Roads Act,* and the *Transportation of Dangerous Goods Act.*

The following Sections are tasked with the responsibilities of carrying out the objectives of Highway Safety:

- Driver Records
- Systems Development and Support
- CAVR (Canadian Agreement Vehicle Registration)
- Registration and Licensing (Legislation and Policy Development)
- Safety
- Commercial Vehicle Enforcement

Highway Safety is managed by a Director and two senior Managers.

Records Section

The Records Section maintains records on all drivers and carriers with convictions for motor vehicle related offences throughout Canada and who are scheduled for counselling activity, such as an interview or a re-examination. The Records Management System (RMS) is one of the key programs used by this Section and is designed to efficiently and effectively maintain driving records to meet the needs for managing drivers and carriers. There were approximately 13,000 motor vehicle related convictions in 2000.

This section maintains a close working relationship with all law enforcement agencies throughout the Province along with various other government departments, in particular, the Office of the Attorney General. It deals mainly with the Highway Traffic Act and the Maintenance Enforcement Act.

Driver Abstracts (a driver's record) are provided through the Records Section. This service is available to insurance companies, law enforcement, the legal community or an individual.

In May, 2001 amendments to the Highway Traffic Act allows the suspension of a driver's license as a result of default in payment of a fine under any enactment or Act of Parliament.

In May, 2001 amendments to the Highway Traffic Act provided for the increase of penalties for impaired drivers to one year for a first offence, three years for a second offence and five years for a third offence.

The Records Section is responsible for the evaluation, preparation and processing of all **Highway Traffic Act** and driver related **Criminal Code of Canada** convictions. A summary of the major activities is shown below with the 1999-2000 figures displayed for comparison purposes.

Driver License Suspensions and Cancellations	**1999-2000**	**2000-2001**
Section 253(a) Criminal Code (Impaired Driving)	67	80
Section 253(b) Criminal Code (Failing the Breathalyser)	309	277
Section 254(5) Criminal Code (Refusal of the Breathalyser)	75	75
TOTAL ALCOHOL RELATED CONVICTIONS	**451**	**432**
Administrative Driving Prohibitions (Revoked from July 1999 to March 2000 due to update of Regulations.)	129	228
Vehicle Impoundments	7	0
Demerit Point System (Point Accumulation)	438	398
Theft of a Motor Vehicle	18	56
Default in Payment of Fine(s) (Motor vehicle related offences)	1,165	1,064
Failure to Satisfy a Judgment (Accident with an uninsured vehicle)	4	5

Reinstatement of driving privileges from suspension/cancellation	1,474	1,261
REVENUE FROM REINSTATEMENT FEES		**$ 76,633.00**

Number of Warning Letters Issued (Point Accumulation)	1,516	1,575
Number of Driving Record Interviews Issued (Point Accumulation)	316	352
Drivers required to undergo a re-examination for various reasons (Requests from Law Enforcement, Medical Practitioners, Etc.)	**1999- 2000**	**2000 -2001**
Medical Referrals Issued	147	168
Vision Referrals Issued	34	22
Driving Re-Examination Conducted	178	214
Driving Record Interviews	43	84
Restricted Driver Licenses Issued	29	48
Requests for Abstracts of Driving Records from Insurance Companies and Individuals **The fee for an Abstract is $15.00. REVENUE**	**35,267**	**39,134** **$ 587,014.00**

Systems

Highway Safety have the following computer applications which statistical information can be generated from.

- Driver Vehicle System (DVS)
- Single Application Vehicle Registration (CAVR Program)
- Records Management System (RMS)
- Collision and Accident Reporting System (CARS)
- Inter-Provincial Records Exchange System (IRE)
- Telephone Vehicle Registration System (TVRS)
- Photo Imaging System

THE INTERNATIONAL REGISTRATION PLAN (IRP)

Effective April 1, 2001 PEI became the 57th member of the International Registration Plan (IRP).

The International Plan (IRP) is a Registration Reciprocity Agreement among States of the United States and Provinces of Canada providing for payment of license fees on the basis of total distance operated in all jurisdictions. The fees are divided among the IRP jurisdictions through which the vehicles travel and allow movement on an interjurisdictional and intra jurisdictional basis.

Typically vehicles over 11,794kgs (26,000lbs) or buses with 20 seats or more that wish to travel in two or more jurisdictions must register under IRP.

A total of 800 vehicles are issued a PRP (Proportional Prorate Plate) license plate through the IRP process to approximately 300 Prince Edward Island Carriers during this fiscal year.

It is not mandatory that vehicles be registered under this agreement, but if carriers do not register their vehicles they must be registered separately in each jurisdiction in which they will travel by obtaining either an annual, part-year or temporary permit or a single-trip permit.

It is the purpose of this agreement to grant reciprocity to apportioned fleets of vehicles and to provide for the continuance of reciprocity granted to those vehicles that are not eligible for apportioned registration under the terms of this agreement.

CANADIAN AGREEMENT ON VEHICLE REGISTRATION (CAVR)

Is a Full and Free Reciprocity Agreement for Category "B" vehicles for interprovincial operations that may operate in all Canadian Provinces when legally registered in their home Province. They cannot be used for intra-provincial transportation, unless they meet conditions specified in Article V of the agreement.

IRP services are provided at the Charlottetown office of Highway Safety Operations. The Distribution of Revenue is listed in the tables that follow.

Distribution of Revenue Collected from P.E.I. Based Carriers for Canadian Jurisdictions

April 1, 2000 - March 31, 2001

(Canadian Dollars)

Province	Registration Fees	Sales Tax Fees	Insurance Fees	Administration Fees	Total Fees
PE	$430,371.00	$160,238.67	$ 0	$ 27,380.00	$ 617,989.67
NB	501,822.00	0	0	8,590.00	510,412.00
NS	114,352.33	0	0	8,420.00	122,772.33
NF	8,341.72	0	0	2,990.00	11,331.72
QC	121,703.00	0	64,374.00	3,300.00	189,377.00
ON	103,162.00	48,077.37	0	3,240.00	154,479.37
MB	13,226.00	7,643.17	0	1,820.00	22,689.17
SK	16,935.00	0	0	1,900.00	34,392.66
AB	10,232.00	0	0	1,900.00	12,132.00
BC	3,087.00	3,645.16	0	1,700.00	8,432.16
TOTALS	$1,323,232.05	$235,162.03	$64,374.00	$61,240.00	$1,684,008.08

DISTRIBUTION OF REVENUE COLLECTED FROM P.E.I. BASECARRIERS FOR UNITED STATES JURISDICTIONS - IRP

MARCH 13,, 2000 - MARCH 31, 2001

***NOTE: IRP FEES ARE FOR 1 MONTH PERIOD PRINCE EDWARD ISLAND JOINED INTERNATIONAL REGISTRATION (IRP) APRIL 1, 2001**

ALL FEES ARE IN US DOLLARS

JURISDICTION	PRORATE FEES (REG FEES)	SALES TAX FEES	TOTAL FEES
AL	95.41		95.41
AZ	987.56		987.56
AR	285.22		285.22
CA	406.04	241.00	647.04
CO	590.79	172.10	762.89
CT	6,892.53		6,892.53
DE	388.46		388.46
DC	5.88		5.88
FI	1,076.40		1,076.40
GA	622.04		622.04
ID	517.81		517.81
IL	2,706.07		2,706.07
IN	597.32	230.34	827.66
IA	699.81		699.81
KS	104.29		104.29
KY	277.89		277.89
LA	53.43		53.43
ME	10,409.66	9,596.36	20,006.02
MD	984.57		984.57
MA	5,034.25		5,034.25
MI	2,219.02		2,219.02
MN	1,060.91		1,060.91
MS	163.54	87.58	251.12

MO	422.83		422.83
MT	490.83	184.14	674.97
NE	473.28		473.28
NV	283.23	88.94	372.17
NH	704.19		704.19
NJ	2,961.82		2,961.82
NM	36.34		36.34
NY	5,172.31		5,172.31
NC	1,160.34		1,160.34
ND	501.54		501.54
OH	851.34		851.34
OK	257.95		257.95
OR	64.08		64.08
PA	4,913.78	586.53	5,500.31
RI	174.52		174.52
SC	529.41		529.41
SD	146.32		146.32
TN	808.36	.55	808.91
TX	376.95		376.95
UT	179.08	162.61	341.69
VT	995.45		995.45
VA	2,147.45		2,147.45
WA	402.01		402.01
WV	464.59	176.38	640.97
WI	1,387.25		1,387.25
WY	502.48		502.48
TOTAL	62,586.63	11,526.53	74,113.16

DISTRIBUTION OF REVENUE
REMITTED FORM ALL CANADIAN JURISDICTIONS TO P.E.I.
APRIL 1, 2000 - MARCH 32, 2001

ALL FEES ARE IN CDN DOLLARS

JURISDICTION	PRORATE FEES (REG FEES)	CAVR TAX (SALES TAX)	CAB CARD FEES (ADMIN FEES)	TOTAL F
NB	150,320.00	62,877.84	148,960.00	362,157.84
NS	65,600.00	42,272.52	45,960.00	153,832.52
NF	3,321.00	3,576.28	5,850.00	12,747.28
QC	25,549.00	28,643.32	65,980.00	120,172.32
ON	6,384.00	22,999.32	52,610.00	81,993.32
MB	90.07	239.88	4,400.00	4,729.95
SK	308.00	2,561.64	11,240.00	14,109.64
AB	8,638.00	38,273.44	66,560.00	113,471.44
BC	270.00	3,591.00	8,720.00	12,581.00
CAT B	360.00		780.00	1,140.00
Total	**260,840.07**	**205,035.24**	**411,060.00**	**876,935.31**

RECAP OF REVENUE
APRIL 1, 2000 - MARCH 31, 2001

REVENUE COLLECTED FROM P.E.I. BASE CARRIERS FOR ALL TEN CANADIAN JURISDICTION IN CANADIAN DOLLARS $1,684,008.08

REVENUE RETAINED BY PRINCE EDWARD ISLAND 617,989.67

REVENUE REMITTED TO REMAINING CANADIAN JURISDICTIONS IN CANADIAN DOLLARS 1,066,018.41

TOTAL REVENUE REMITTED TO PRINCE EDWARD ISLAND FROM ALL CANADIAN JURISDICTIONS IN CANADIAN DOLLARS 876,935.31

REVENUE COLLECTED FROM P.E.I BASE CARRIERS AND REMITTED TO UNITED STATES JURISDICTIONS IN UNITED STATES DOLLARS UNDER THE INTERNATIONAL REGISTRATION PLAN $ 74,113.16

Registration and Licensing

Registration and Licensing service delivery is carried out through a service level agreement with Access P.E.I.

VEHICLE REGISTRATION BREAKDOWN

TYPE	1999-2000	2000-2001
Cars	60,343	60,750
Trucks	27,798	21,609
Motorcycles	861	738
Buses	353	279
Trailers	3,232	8,830
Off-Road Vehicles	1,300	1,782
Miscellaneous - Other Vehicles	582	597
Total Registrations	**94,469**	**94,585**

A total of 5444 vehicle registration renewals were completed at the drive through window at the Charlottetown Office during the year.

TOTAL NUMBER OF DRIVERS PER CLASS

CLASS	1999-2000	2000-2001
CLASS 1 - Tractor Trailers	**3,445**	**3,794**
CLASS 2 - Bus for more than 24 passengers including School Bus	**1,149**	**1,219**
CLASS 3 - Trucks over 14,000 kgs	**8,666**	**9,013**
CLASS 4 - Ambulance, Bus, Taxi for less than 24 passengers	**4,518**	**4,875**
CLASS 5 - Car, light truck	**74,232**	**81,266**
CLASS 6 - Motorcycle	**6,128**	**6,726**
CLASS 7 - Beginner's Instruction Permit	**1,551**	**2,092**

Safety Section

The Safety Section deals with a number of issues as they relate to the driver and the vehicle. In each of these categories, the measures designed to counter highway collisions were separated into education and enforcement techniques which are primarily directed to highway users and by engineering developments directed to safety improvements of the vehicle.

Countermeasures were planned and conducted on the premise that the driver is ultimately responsible for motor vehicle operation on the highway. The countermeasure strategy is to increase the driver's knowledge of highway laws and safe driving practices. These include utilizing the news media for promotional and information purposes, testing new drivers, having licensing control over newly licensed drivers, and correction of unsafe practices among all drivers.

The Safety Section plans and co-ordinates the following programs:

- Promotion of Highway Safety
- Driver Improvement Programs
- Motor Vehicle Inspection
- Highway Weight Enforcement

Promotion of Highway Safety

The basic objective of driver testing is to establish and maintain acceptable standards for the issuance of driver licenses for all classes of vehicles in accordance with the provisions of the Highway Traffic Act, regulations, and departmental policies. A driver requires the necessary knowledge, skill, physical and mental ability to operate a motor vehicle in order to obtain a driver's license.

A Driver Examiner tests all drivers applying for an initial license at Highway Safety, as well as, those applying for a higher class of license. Tests are passed by successfully completing a written examination of rules of the road, a vision screening, and an actual road test.

Driver Testing Statistics

Written & Oral Knowledge Tests 1999-2000	Written & Oral Knowledge Tests 2000-2001	Road Tests 1999-2000	Road Tests 2000-2001
1,528	1,605	2,247	1,853

Driver Education Licensing Certification Program

Highway Safety encourages young drivers to become involved in a Driver Education Program in order to promote correct driving habits. Applicants enrolled in a Driver Education Program can obtain their Instruction Permit at 15 ½ years of age, however, they must wait at least 90 days following their 16th birthday before going on a road test.
Nine commercial Driver Education Schools operated in Prince Edward Island during 2000. Each school offers twenty-five hours of in-classroom instruction and six hours behind-the-wheel training as required by the Driving School Regulations.

Driver Education School

Class 5 Driver License

Written Examinations	Road Tests
1351	1237

Driver Improvement Programs
The primary function of Driver Improvement is to identify problem drivers through their driving record, interviews and meetings to encourage them to change their driving habits and attitudes to reduce fatalities, injuries, and property damage.

Driver Improvement Course
When a driver accumulates six or more demerit points, they are advised of the consequences which could result by the accumulation of additional demerit points.

Nine or more demerit points requires the driver to attend a driver improvement interview during which the driver is provided with an awareness of a driving problem and the process to a solution to the problem.

Twelve or more demerit points results in the suspension for three months of the driver's license. The driver is also expected to attend a reinstatement interview and a Driver Improvement Course. Failure to attend this course could result in further suspension of the driver's license.

During 2000, a total of 66 drivers successfully completed the Driver Improvement Course.

Driver Rehabilitation Program

All drivers who are convicted of a second or subsequent offence pursuant to Section 253(a), 253(b), or 254© of the **Criminal Code of Canada** must complete a Driver Risk Assessment which is conducted by Highway Safety. This assessment must be completed before a suspended driver can have their driver's license considered for reinstatement. Further referral to Addiction Services or to a Driver Rehabilitation Program could be required.

A Driver Rehabilitation Program is also conducted for the first-time offender convicted of impaired driving. This program is a requirement before a driver's license is reinstated.

During 2000, 194 drivers completed a Driver Rehabilitation Program.

Assessment Program

The Alcohol Assessment Referral Program requires drivers with three or more convictions for impaired driving to have an alcohol assessment completed and, if required, undergo curative treatment at an Addiction Services Centre. A Probationary driver's license may be returned to the driver only if the treatment program recommended by Addiction Services was followed. The probationary license is valid as long as the curative treatment program is followed.

During 2000, a total of 100 drivers participated in the Assessment Program.

Novice Driver Course

The Novice Driver Course is compulsory unless a Driver Education Course has been successfully completed. All new drivers applying for a license must complete either of these courses prior to taking a road test.

The Novice Driver Course is scheduled and made available through Highway Safety. These courses can be taken in Charlottetown, Montague, Souris, Summerside and Elmsdale.

A total of 652 students successfully completed the Novice Driving Course during the year 2000.

Defensive Driving Course

Courses on safe driving habits have been developed by the Canada Safety Council with the co-operation of provincial governments. In Prince Edward Island this course is administered by the PEI Safety Council which is affiliated with St. John Ambulance. Attendance at these courses is voluntary, and those who successfully complete the course receive a bonus of 3 points which can be used as a credit in the Demerit Point System.

During 2000, a total of 119 drivers successfully completed the Defensive Driving Course.

Collision and Reporting System (CARS)

During 2000, there were 2092 collisions resulting in 722 Injuries and nineteen fatalities. The fatalities included five drivers, three passengers, two pedestrian, zero bicyclist, four motorcyclists, and zero not stated. There was also an Off-Highway Vehicle fatality which is listed in the graphs but not counted in the actual report.

Traffic Safety Promotion

Highway Safety provides information regarding traffic safety through the use of the news

Persons Injured by Age

Age	Female	Male	Grand Total
0-4	11	6	17
05-14	48	32	80
15-19	111	120	231
20-24	59	94	153
25-34	108	81	189
35-44	66	56	122
45-54	66	55	121
55-64	52	39	91
N.S.	6	13	19
NL 65	59	42	101
Grand Total	616	568	1184

Persons Killed by Age

Age	Female	Male	Grand Total
00-14		1	1
15-19	1	1	2
20-24		1	1
25-34	1	2	3
35-44	2		2
45-54	1	4	5
55-64		1	1
NL 65	3	2	5
Grand Total	8	12	20

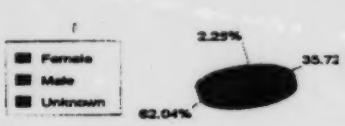
Collisions Involving Injuries / Fatalities by Time

Hour	Fatality	Personal Injury	Property Damage
Midnight to 1 a.m.	1	14	28
1 a.m. to 2 a.m.		13	17
2 a.m. to 3 a.m.		12	27
3 a.m. to 4 a.m.	1	15	14
4 a.m. to 5 a.m.	1	3	8
5 a.m. to 6 a.m.		6	8
6 a.m. to 7 a.m.		10	9
7 a.m. to 8 a.m.		23	41
8 a.m. to 9 a.m.	2	14	62
9 a.m. to 10 a.m.		29	61
10 a.m. to 11 a.m.	1	26	89
11 a.m. to Noon		44	71
Noon to 1 p.m.	1	39	135
1 p.m. to 2 p.m.	2	53	90
2 p.m. to 3 p.m.	1	56	110
3 p.m. to 4 p.m.		49	119
4 p.m. to 5 p.m.		60	91
5 p.m. to 6 p.m.	1	40	93
6 p.m. to 7 p.m.	1	44	85
7 p.m. to 8 p.m.	1	36	74
8 p.m. to 9 p.m.	3	31	50
9 p.m. to 10 p.m.	2	24	48
10 p.m. to 11 p.m.		22	46
11 p.m. to Midnight	1	23	38
Grand Total	19	722	1351

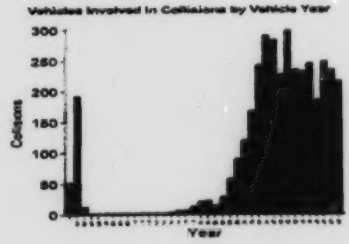
Accidents By Day Of Occurance

Accidents By County of Occurance

Drivers Involved in Accidents By Gender



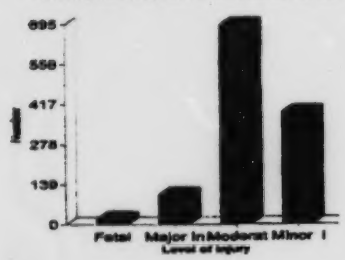
Vehicles Involved in Collisions by Vehicle Year



Collisions by Month of Occurrence

Month	Fatality	Personal Injury	Property Damage
January	1	68	112
February	1	45	110
March		56	122
April	1	33	70
May	1	55	73
June	1	58	93
July	2	83	119
August	1	93	131
September	7	69	93
October	1	38	119
November	2	78	146
December	1	66	163
Grand Total	19	722	1351

Persons Involved in Collisions By Injury



media, brochures, posters and pamphlets. Campaigns are conducted promoting rules of the

road, bicycle safety, off-highway vehicle rules, vehicle safety, winter driving tips, registration and license renewal reminders and seat belt use. A continuous campaign is conducted to encourage drivers not to drink and drive.

The SADD (Students Against Drunk Driving) program is also promoted and encouraged through Highway Safety. Each of the 12 high schools across the province has a Chapter of SADD.

Motor Vehicle Inspection

The Motor Vehicle Inspection program monitors the operating condition of all motor vehicles in Prince Edward Island. Inspection stations and mechanics are required to meet specific criteria in order to be licensed by the Province through Highway Safety.
The stations and mechanics are closely monitored by Motor Vehicle Inspection Officers.

Motor Vehicle Inspection Statistics
April 1, 2000 - March 31, 2001

No. Of Stations	No. Of Mechanics	Cars/ Trucks	Farm Trucks	Motorcycles	Trailers	TOTAL	Reject
206	516	88,021	2,061	570	3,577	94,229	3,835

Roadside Vehicle Checks

Highway Safety Peace Officers, assisted by police agencies, periodically conduct roadside vehicle checks throughout the year. Items checked include driver's license, vehicle registration and inspection, insurance coverage, use of seat belts, window tint and infractions under the Liquor Control Act.

The 2000 Statistical Data for Roadside Vehicle Checks is as follows:

Number of charges	148
Number of Road Checks	07
Total vehicles checked	Approx. 4800

Port of Entry Inspection Facilities (Stationary Scales)

There are two weigh scale stations in Prince Edward Island. One is located at Borden/Carleton and the other in Wood Islands. The Borden/Carleton Scales are opened 24 hours a day, throughout the year and are staffed by five full-time officers, two full/part-time officers and one relief officer.

The Wood Islands scales operate from May to mid December each year. They are open daily from 6:00 a.m. to 10:00 p.m. Staff includes one full-time and three full/part-time officers.

Weigh Scale Officers enforce the **Roads Act** and **Vehicle Weight Regulations, Highway Traffic Act** and **Regulations, Transportation of Dangerous Goods Act and Regulations, Plant Health Act and the Animal Health Act.**

TRUCK MOVEMENT
April 1, 2000 - March 31, 2001

ACTIVITY	LOCATION	NUMBER
Canadian Trucks	Borden/Carleton Scales Wood Islands Scales	249,785 18,598
U.S. Trucks	Borden/Carleton Scales Wood Islands Scales	678 11

DRIVER AND VEHICLE CHECKS
April 1, 2000 - March 31, 2001

ACTIVITY	LOCATION	NUMBER
Driver's Documents	Borden/Carleton Scales Wood Islands Scales	9,149 674
Hours of Work (Driver's Log)	Borden/Carleton Scales Wood Islands Scales	1116 65
Trip Inspections	Borden/Carleton Scales Wood Islands Scales	1165 8
Dangerous Goods Inspections	Borden/Carleton Scales Wood Islands Scales	554 7

MISCELLANEOUS ACTIVITIES

APRIL 1, 2000 - MARCH 31, 2001

ACTIVITY	LOCATION	NUMBER
Quick Check Stickers Issued	Borden/Carleton Scales Wood Islands Scales	678 94
Potato Levy Slips Collected	Borden/Carleton Scales Wood Islands Scales	9703 329

Vehicles Checked For Taxable Goods	Borden/Carleton Scales Wood Islands Scales	91 10
Forest Products	Borden/Carleton Scales Wood Islands Scales	5,956 689
Vehicles Quarantined Plant Health Act	Borden/Carleton Scales Wood Islands Scales	3 0
Apparel Act	**Borden/Carleton Scales** **Wood Islands Scales**	6 0
Animal Health Act	**Borden/Carleton Scales** **Wood Islands Scales**	13 0
Fisheries Product Act	**Borden/Carleton Scales** **Wood Islands Scales**	2112 105

PERMITS ISSUED
April 1, 2001 - March 31, 2001

TYPE	LOCATION	NUMBER	REVENUE
In-Transit	Borden/Carleton Scales Wood Islands Scales	72 0	$ 360.00 .00
Oversize	Borden/Carleton Scales Wood Islands Scales	419 24	8,770.00 440.00
Overweight	Borden/Carleton Scales Wood Islands Scales	34 04	850.00 100.00
Trip	Borden/Carleton Scales Wood Islands Scales	556 3	$ 74,340.00 4,000.00
Fuel	Borden/Carleton Scales Wood Islands Scales	291 19	7,275.00 475.00
Work	Borden/Carleton Scales Wood Islands Scales	52 03	12,200.00 600.00
Non-Compliance	Borden/Carleton Scales Wood Islands Scales	225 03	22,500.00 300.00
Disinfection Fees	Borden/Carleton Scales Wood Islands Scales	2,263 324	24,267.60 3,477.80
Other Category B	Borden/Carleton Scales Wood Islands Scales	65 00	1,380.00 .00
TOTALS	**Borden/Carleton Scales** **Wood Islands Scales**	3977 411	$151,942.62

RECORDED VIOLATIONS

April 1, 2000 - March 31, 2001

ITEM	LOCATION	NUMBER	REVENUE
Roads Act	Borden/Carleton Scales Wood Islands Scales	492 16	92,885.00 3,080.00
Highway Traffic Act	Borden/Carleton Scales Wood Islands Scales	130 03	780.00 180.00
Dangerous Goods Act	**Borden/Carleton Scales** **Wood Islands Scales**	08 00	2,880.00 .00
TOTALS	**Borden/Carleton Scales** **Wood Islands Scales**	**630** **19**	**$ 96,545.00** **$ 3,260.00**

Enforcement Officers conduct Commercial Vehicle Safety Alliance (CVSA) roadside inspection of Drivers and vehicles and loads carried.

Vehicles inspected fall into three categories:

1. Pass (CVSA sticker applied to vehicle)
2. Out of Service (vehicle must be towed or repaired before it proceeds)
3. Restricted (Vehicle must be repaired before next dispatch).

Driver's inspected fall into two principle areas:

1. Non-compliance
2. Compliance

(These inspections would include hours of service (log book), status of license, required endorsements, etc.).

COMMERCIAL VEHICLE SAFETY ALLIANCE STATISTICS

April 1, 2000 - March 31, 2001

ITEM	1999-2000	2000-2001
Total Number of Trucks Inspected	**620**	**657**
Power Units Out Of Service	**72**	**114**
Trailers Out Of Service	**46**	**52**

Portable Scales

The Portable Scale Unit consists of two vehicles and portable wheel weigher scales. The unit is staffed by two permanent full-time officers.

Officers enforce the Roads Act, Vehicle Weight Regulations, Highway Traffic Act, Transportation of Dangerous Goods Act, Fuel Tax, Plant Health Act and Animal Health Act.

PORTABLE SCALES STATISTICS
April 1, 2000- March 31, 2001

CHARGES	REVENUE
441	$ 66,893.00

Insurance Statistics 2000

(One Officer devotes approximately 50% of his time to this operation.)

Cancellation Notifications	4,231
Letter issued	789
Visit to clients	09
Files completed	3,054
Confiscated License Plates	27
Insurance obtained due to Highway Safety Operation Action	16

Dealer Audits

Highway Safety Officers completed 94 audits of the 158 licensed Dealers in P.E.I. These audits are to ensure compliance with the regulations, for holding a Dealer's Trade License.

BUILDING MAINTENANCE AND ACCOMMODATIONS SECTION

The responsibility of the Building Maintenance and Accommodations Section is to provide quality services to all of Government in the areas of building operations, maintenance, and accommodations. The Operations and Maintenance section is responsible for the day to day operating and maintaining of Government buildings and systems. The responsibility of the Accommodations section is to administer the short and long term spatial requirements of Government Departments and Agencies housed within Government owned and/or leased facilities.

During the year the following activities took place:

Alberton Courthouse
- Constructed a wheel chair accessible washroom
- Re-painted exterior

Borden Scale House
- Installed new aluminum tee - both decks
- Installed sound system

P.E.I. Youth Centre
- Constructed new brick chimney

Acadian Museum
- Re-vamped reception area
- Re-painted interior

Tyne Valley Youth Centre
- Re-painted exterior and eaves of building
- Installed security screen
- Installed water softener
- Repaired emergency generator

O'Leary Regional Services Centre
- Installed corridor door

Tignish Sign Shop
- Installed a new and larger overhead door

Harbour Side Centre
- Installed water softener

Pab Complex

Shaw Building
- Replaced carpet (1st floor North)
- Purchased new lawn mower
- Re-caulk and paint fountain

Sullivan Building
1. Built new kitchen area (5th floor)
2. Automatic door openers (ground floor)
3. Installed 2 new sewer lift pumps in boiler room

Jones Building
1. Barrier fire access and corridor upgrade (basement)
2. Automatic door openers on all floors

Correctional Center - Sleepy Hollow
- Installed new security panels
- Repainted interior

Government House
- Purchased new lawn mower
- Installed new heating system

Coles Building
- Repairs to outside steps
- Hooked up to district heat
- Upgraded fire alarm system

Cavendish Cottage
- Installed new eaves troughs
- Stained the exterior
- Installed new well and pump

St. Paul's Rectory
- Hooked up to district heat

Davies Law Courts
- Repairs to exterior brick work and roof
- Installed new heat pump exchangers

Gordon Drive
- Installed new vestibule in main entry

Mona Wilson Building
- Upgraded electrical

Brackley Visitor Information Centre
- Repaired and painted fences

Montague Office Complex
- re flooring
- Re-painted interior
- Re-tube boiler

Georgetown Youth Centre
- Re-painted exterior and interior

Southampton Forestry
- Re-painted interior
- Re-flooring

Wood Island Visitor Information Centre
- RE-painted exterior

Montague Access
- Replaced window blinds
- Sound proofing
- Re-painted interior

PROPERTIES SECTION

The Properties Section consists of the following subsections:

Acquisitions and Disposals
Land Administration
Special Projects

The Properties Section is responsible for staff administering the ownership and management of all provincial lands held by the Department of Transportation and Public Works. The work that the staff routinely carries out in the performance of their duties includes the following:

Acquisition and Disposals

- Provides appraisals of land for purchase, sale or leasing purposes.
- Oversees the management of the abandoned rail lands, works with the Department of Fisheries and Tourism regarding lands developed as part of the Confederation Trail.
- Negotiates agreements related to the acquisition, sale and/or leasing of land on behalf of the Province.
- Negotiates of agreements related to lands required for highway purposes.
- Responds to inquiries and requests received regarding the use of provincial lands.

Land Administration

- Investigates various legal interests and/or carries out abstracts of title related to lands.
- Prepares legal documents related to land administration and when required, legal advice is provided by the Legal Services Division - Department of Community Services and Attorney General.
- Administers the billing and collection of rents as it relates to the rental of provincial lands.
- Maintains a comprehensive file system (both hard copy and computerized) of all provincial lands.

Special Projects

- Tender the sale of surplus provincial land;
- Maintains the provincial property maps which identify all provincial lands;
- Coordinates the review of provincial lands by the Provincial Land Review Subcommittee;
- Tender the sale and/or removal of surplus buildings;

Some of our more notable accomplishments this year were:

- Ongoing review of provincial lands and private lands offered to the Province for purchase through the Provincial Land Review Subcommittee;
- Updating the Provincial Lands Managing Agreements with the Departments who are assigned the responsibility of managing their assigned properties;
- Continue to secure lands for the Cornwall By-Pass;
- Acquisition of lands from St. Peters Estates Ltd. at Greenwich to facilitate the construction of new beach facilities and Interpretive Centre as part of the Greenwich National Park;
- Transfer of Provincial lands at the tip of Greenwich to Parks Canada;
- Securing the land requirements for the 2001 Boy Scout Jamboree;
- Sold the "Ark Property" at Spry Point to be developed as a tourism/resort development;
- Retain land at Spry Point (part of the Ark Property) to be developed as "Sally's Beach Day Use Park" ;
- Acquisition of land for new Prince County Hospital
- Acquisition of land at Brookvale for cross country ski trails
- Transfer of lands to Western, Eastern and French Language School Boards
- Province-wide review of station areas on former CN rail lands.

Resource Land Acquisition Fund

This fund is designed to make available some of the dollars realized from the sale of surplus resource lands toward the acquisition of required resource lands up to an amount of $250,000.00. The activity of the Resource Land Acquisition fund for 1999/00 fiscal year is as follows:

Resource Land Acquisition Fund 99/00

- Sales $330,272.00
- Acquisitions $226,466.00
- Net Proceeds $103,806.00

CAPITAL PROJECTS DIVISION

Chief Engineer's Report

The Highway Construction Division is responsible for the construction and reconstruction of the Province's highway system. The Highway Construction Division is divided into three regions; each headed under the direction of a Regional Engineer. These regions are the Western Region, Central Region and the Eastern Region and have offices located in Summerside, Charlottetown and Georgetown. The Division also operates a field office in Bloomfield and its sign shop is located in Tignish. The various activities of the sections that fall under the Highway Construction Division are outlined in the following pages.

Capital highway expenditures amounted to 17.76 million dollars in 2000-01. The reduction in the amount of monies spent on highway construction this year is the lack of a Federal/Provincial agreement to assist in the improvement of the primary highway system.

Detailed information relating to this program and the various other activities of this Division follows.

SCHEDULE OF PROVINCIAL TENDERS

Northport Road

PAVE
Tender Opened April 12, 2000

H.I. Construction	= = = = = = =	$141,997.50
AJL Limited	= = = = = = =	$144,131.50
Curran Briggs	= = = = = = =	$159,931.85

Awarded to H.I. Construction

Tignish Shore Road

PAVE
Tender Opened April 12, 2000

H.I. Construction	= = = = = = =	$159,405.00
Curran Briggs	= = = = = = =	$160,238.25

Awarded to H.I. Construction

Beach Point Road

SUB-GRADE & PAVE
Tender Opened April 5, 2000

Chapman Bros	= = = = = = =	$199,677.50
Island Construction	= = = = = = =	$207,986.50

Awarded to Chapman Bros

Souris Line Road

SUB-GRADE & PAVE
Tender Opened April 5, 2000

Chapman Bros	= = = = = = =	$138,438.10
Island Construction	= = = = = = =	$164,958.00
Island Coastal	= = = = = = =	$177,933.00

Awarded to Chapman Bros

TCH Upton Road

PAVE
Tender Opened April 5, 2000

Island Construction = = = = = = =	$104,280.00
Chapman Bros = = = = = = =	$105,616.80

Awarded to Island Construction

Fort Augustus Road

SUB-GRADE & PAVE
Tender Opened April 5, 2000

Chapman Bros = = = = = = =	$84,137.60
Island Construction = = = = = = =	$93,008.50

Awarded to Chapman Bros

Church Road

SUB-GRADE & PAVE
Tender Opened April 5, 2000

Chapman Bros = = = = = = =	$151,455.80
Island Excavators = = = = = = =	$154,451.66
Island Coastal = = = = = = =	$170,943.00

Awarded to Chapman Bros

TCH - New Haven

COLD PLANE & PAVE
Tender Opened April 5, 2000

Island Construction = = = = = = =	$201,845.50
Chapman Bros = = = = = = =	$214,075.00

Awarded to Island Construction

Lennox Island Road

PAVE
Tender Opened April 5, 2000

Curran Briggs	= = = = = = =	$118,718.75
H.I. Construction	= = = = = = =	$125,858.50

Awarded to Curran Briggs

Gaspe Road

SUB-GRADE & PAVE
Tender Opened April 5, 2000

H.I. Construction	= = = = = = =	$149,991.00
Curran Briggs	= = = = = = =	$150,069.00

Awarded to H.I. Construction

McMurdo Road Intersection

SUB-GRADE & PAVE
Tender Opened April 5, 2000

Island Excavators	= = = = = = =	$ 65,593.50
Duffy Construction	= = = = = = =	$ 65,931.75
AJL Limited	= = = = = = =	$ 65,939.00
Curran Briggs	= = = = = = =	$ 68,152.90
Island Coastal	= = = = = = =	$ 72,732.50

Awarded to Island Excavators

Clermont Road

SUB-GRADE & PAVE
Tender Opened April 5, 2000

Curran Briggs	= = = = = = =	$248,931.80
AJL Limited	= = = = = = =	$249,699.00
Chapman Bros	= = = = = = =	$251,228.50
Island Excavators	= = = = = = =	$254,809.00
Island Coastal	= = = = = = =	$277,679.00

Awarded to Curran Briggs

Woodville Mills South

SUB-GRADE & PAVE
Tender Opened May 30, 2000

Chapman Bros	= = = = = = =	$212,002.70
Island Construction	= = = = = = =	$123,074.74

Awarded to Chapman Bros

Sturgeon Road

PAVE
Tender Opened May 30, 2000

Chapman Bros	= = = = = = =	$112,402.00
Island Construction	= = = = = = =	$123,807.70

Awarded to Chapman Bros

TCH - Eldon to Pinette

PAVE
Tender Opened May 30, 2000

Island Construction	= = = = = = =	$122,552.00
Chapman Bros	= = = = = = =	$125,314.00

Awarded to Island Construction

Wood Islands Road

SUB-GRADE & PAVE
Tender Opened May 30, 2000

Chapman Bros	= = = = = = =	$234,291.00
Island Construction	= = = = = = =	$234,340.40

Awarded to Chapman Bros

Pisquid Road

COLD PLANE & PAVE
Tender Opened May 30, 2000

Chapman Bros	= = = = = = =	$ 94,331.10
Island Construction	= = = = = = =	$104,154.70

Awarded to Chapman Bros

Grand Tracadie Road

COLD PLANE & PAVE
Tender Opened May 30, 2000

Chapman Bros	=======	$155,609.80
Island Construction	=======	$164,299.80

Awarded to Chapman Bros

York Point Road (North River)

SUB-GRADE & PAVE
Tender Opened May 30, 2000

Island Construction	=======	$256,887.50
Island Coastal	=======	$260,591.20
Birt & MacKay	=======	$282,706.16
Curran & Briggs	=======	$309,135.21

Awarded to Island Construction

Irishtown Road

SUB-GRADE & PAVE
Tender Opened May 30, 2000

Chapman Bros	=======	$ 87,143.50
Curran & Briggs	=======	$ 92,503.56

Awarded to Chapman Bros

Portage Road

SUB-GRADE & PAVE
Tender Opened May 30, 2000

Island Construction	=======	$116,517.20
Chapman Bros	=======	$120,573.70
Curran & Briggs	=======	$150,227.00

Awarded to Island Construction

Lower Freetown Road

SUB-GRADE & PAVE
Tender Opened May 30, 2000

AJL Limited	= = = = = = =	$214,599.50
Duffy Construction	= = = = = = =	$218,590.00
Curran & Briggs	= = = = = = =	$223,937.40
Chapman Bros	= = = = = = =	$232,257.50
Island Coastal	= = = = = = =	$236,472.50
Island Excavators	= = = = = = =	$291,121.50

Awarded to AJL Limited

Margate Corner Realignment

SUB-GRADE & PAVE
Tender Opened May 30, 2000

AJL Limited	= = = = = = =	$144,791.00
Island Excavators	= = = = = = =	$151,251.76
Island Coastal	= = = = = = =	$157,776.00
Curran & Briggs	= = = = = = =	$159,534.87

Awarded to AJL Limited

Doucette Road

SUB-GRADE & PAVE
Tender Opened May 30, 2000

H.I. Construction	= = = = = = =	$149,995.00

Awarded to H.I. Construction

North Side Road

PAVE
Tender Opened July 5, 2000

Chapman Bros	= = = = = = =	$187,996.25

Awarded to Chapman Bros

Wood Islands Road (Montague)

SUB-GRADE & PAVE
Tender Opened July 5, 2000

Chapman Bros	= = = = = = =	$307,175.50
Kings County Const.	= = = = = = =	$346,005.50

Awarded to Chapman Bros

Commercial Road

PAVE
Tender Opened July 5, 2000

Chapman Bros	= = = = = = =	$ 82,392.00
Island Construction	= = = = = = =	$ 94,654.00

Awarded to Chapman Bros

Emerald Road

SUB-GRADE & PAVE
Tender Opened July 5, 2000

Curran & Briggs	= = = = = = =	$120,365.40
Chapman Bros	= = = = = = =	$122,468.20

Awarded to Curran & Briggs

Searletown Road

PAVE
Tender Opened July 5, 2000

Curran & Briggs	= = = = = = =	$ 99,382.10
Chapman Bros	= = = = = = =	$161,097.00

Awarded to Curran & Briggs

Kings Road, Cabot Park

PAVE
Tender Opened July 5, 2000

Curran & Briggs	= = = = = = =	$149,287.39

Awarded to Curran & Briggs

Bayside Road

PAVE
Tender Opened July 5, 2000

Curran & Briggs	= = = = = = =	$ 87,659.00

Awarded to Curran & Briggs

Harmony Line Road, Abrams Village Road, Mimimeville Road

SUB-GRADE & PAVE
Tender Opened July 5, 2000

Curran & Briggs	= = = = = = =	$442,665.00
H.I. Construction	= = = = = = =	$489,938.00

Awarded to Curran & Briggs

O'Holloren Road, Gaspe Road, Locke Road, Roseville Road

SUB-GRADE & PAVE
Tender Opened July 5, 2000

H.I. Construction	= = = = = = =	$329,970.00
Curran & Briggs	= = = = = = =	$351,376.70

Awarded to H.I. Construction

Kildare Road

PAVE
Tender Opened July 5, 2000

Curran & Briggs	= = = = = = =	$ 72,654.00
H.I. Construction	= = = = = = =	$ 75,930.00

Awarded to Curran & Briggs

St. Charles Road

SUB-GRADE & PAVE
Tender Opened August 10, 2000

Chapman Bros	= = = = = = =	$339,892.20
Island Construction	= = = = = = =	$354,144.00

Awarded to Chapman Bros

Cardigan Shore Road

SUB-GRADE & PAVE
Tender Opened August 10, 2000

Kings County Const	= = = = = = =	$199,052.00
Chapman Bros	= = = = = = =	$229,926.19

Awarded to Kings County Construction

TCH - Hillsborough Bridge

COLD PLANE & PAVE
Tender Opened August 10, 2000

Island Construction	= = = = = = =	$ 94,885.00

Awarded to Island Construction

Waterford to Pleasant View & Broderick Road

PAVE
Tender Opened August 10, 2000

H.I. Construction	= = = = = = =	$246,892.50
Curran & Briggs	= = = = = = =	$249,790.00

Awarded to H.I. Construction

Naufrage Bridge

Bridge Structure
Tender Opened December 2000

Maritime Dredging	= = = = = = =	$349,610.53
Callaghan Contracting	= = = = = = =	$368,000.00
Highfield Construct.	= = = = = =	$406,699.00
Curran & Briggs	= = = = = = =	$480,760.00
Chapman Bros	= = = = = = =	$245,136.00

Awarded to Maritime Dredging

HIGHWAY LIGHTING TENDERS

Albany Interchange

Maintenance
Tender Opened March 21, 2000

Waite's Enterprises	= = = = = = =	$ 3, 154.00

Awarded to Waite's Enterprises

Kings County Various Locations

Maintenance
Tender Opened March 21, 2000

Foster Campbell Elec	= = = = = = =	$ 4,600.00

Awarded to Foster Campbell Electric

Queens County - Various Locations

Maintenance
Tender Opened March 21, 2000

Don MacLeod Elec	= = = = = = =	$ 10,858.00
Chas M. Stewart Elec	= = = = = = =	$ 12,732.00

Awarded to Don MacLeod Electric

Prince County - Various Locations

Maintenance
Tender Opened March 21, 2000

Waite's Enterprises	= = = = = = =	$ 12,648.00

Awarded to Waite's Enterprises

Hillsborough Bridge

Maintenance
Tender Opened March 21, 2000

Chas M. Electric	= = = = = = =	$ 2,835.00

Awarded to Chas M. Electric

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
Province of Prince Edward Island
PROVINCIAL PAVING REPORT
2000

KINGS COUNTY

DISTRICT 1	Km's	Grade	Gravel Base	Asph RAP	Asph Levelling	Base	Seal	New Recon.	To Be Sealed	New Pave
Northside Rd	2.80	—	—	—	2.80	—	2.80	—	—	—
Souris Line Rd	0.80	—	0.80	—	—	0.80	0.80	0.80	—	—
Souris Beach Widening	0.20	0.20	—	—	—	—	—	—	—	—
MacAskill Rd	0.16	—	—	0.16	—	—	—	—	—	—
TOTAL - DISTRICT 1		**0.20**	**0.80**	**0.16**	**2.80**	**0.80**	**3.60**	**0.80**	**0.00**	**0.00**
DISTRICT 2										
St. Peter's Intersection	0.70	0.70	0.70	—	—	0.70	0.70	0.70	—	—
Cardigan to St. Peters	2.50	—	2.50	—	—	2.50	2.50	2.50	—	—
St. Charles Rd	0.30	—	0.30	—	—	0.30	0.30	0.30	—	—
MacEwen Rd	0.50	—	—	0.50	—	—	—	—	—	—
Naufrage Bridge			New Bridge Structure							
TOTAL - DISTRICT 2		**0.70**	**3.50**	**0.50**	**0.00**	**3.50**	**3.50**	**3.50**	**0.00**	**0.00**
DISTRICT 3										
Pooles Corner -(Landscape, Ditching)		—	—	—	—	—	—	—	—	—
Dundas to Albion Cross	2.50	—	2.50	—	—	2.50	2.50	2.50	—	—
Woodville Mills	1.20	—	1.20	—	—	1.20	1.20	1.20	—	—
Cardigan to Post Office Hill	0.33	0.33	0.33	—	—	0.33	0.33	0.33	—	—
Collins Rd	0.13	—	—	0.13	—	—	—	—	—	—
Greenfield Rd	0.16	—	—	0.16	—	—	—	—	—	—
MacCarron Rd	0.06	—	—	0.06	—	—	—	—	—	—
TOTAL - DISTRICT 3		**0.33**	**4.03**	**0.35**	**0.00**	**4.03**	**4.03**	**4.03**	**0.00**	**0.00**
DISTRICT 4										
MacDonald Rd to Bell's Hill	1.20	—	—	—	—	—	1.20	—	—	—
Montague Rd	1.20	—	—	—	—	—	1.20	—	—	—
Wood Islands Rd (Liquor Store to Kilmuir)	1.66	—	1.66	—	—	1.66	1.66	1.66	—	—
TOTAL - DISTRICT 4		**0.00**	**1.66**	**0.00**	**0.00**	**1.66**	**4.06**	**1.66**	**0.00**	**0.00**
DISTRICT 5										
Beach Point	1.30	—	1.30	—	—	1.30	1.30	1.30	—	—
Commercial Street	1.50	—	—	—	1.50	—	1.50	—	—	—
Sturgeon Road	1.60	—	—	—	1.60	—	1.60	—	—	—
Panmure Island Shore Line Protection	0.80	—	—	—	—	—	—	—	—	—
Black Brook Road	0.30	—	—	0.30	—	—	—	—	—	—
Greenfield Road	0.25	—	—	0.25	—	—	—	—	—	—
Sturgeon Wharf	0.10	—	—	0.10	—	—	—	—	—	—
Lighthouse Road	0.60	—	—	0.60	—	—	—	—	—	—
TOTAL - DISTRICT 5		**0.00**	**1.30**	**1.25**	**3.10**	**1.30**	**4.40**	**1.30**	**0.00**	**0.00**

EASTERN REGION TOTALS		1.23	11.29	2.26	5.90	11.29	19.59	11.29	0.00	0.00	
CENTRAL REGION		**Grade**	**Gravel Base**	**Fine Grade Gravel**	**Asph RAP**	**Asph Levelling**	**Base**	**Seal**	**New Recon.**	**To Be Sealed**	**New Pave.**
DISTRICT 6											
TCH-Eldon to Pinette	1.40	—	—	—	—	1.40	—	1.40	—	—	—
Wood Island Rd	1.30	0.20	1.30	—	—	—	1.30	1.30	1.30	—	—
Wood Island (Caledonia) Road - carry over			Landscaping, Ditching and Check dams								
Vernon River Bridge carry over	0.15	0.07	0.07	—	—	—	0.15	0.15	0.15	—	—
Douses Road	1.20	—	—	—	1.20	—	—	—	—	—	—
Church Road	0.50	—	—	—	0.50	—	—	—	—	—	—
TOTAL - DISTRICT 6		**0.27**	**1.37**	**0.00**	**1.70**	**1.40**	**1.45**	**2.85**	**1.45**	**0.00**	**0.00**
DISTRICT 7											
TCH - Kinlock Rd Intersection			1.15	1.15	—	—	—	1.15	1.15	1.15	——
Kinlock Rd - Glen Stewart Intersection		0.20	0.20	—	—	—	0.20	0.20	0.20	0.35	0.20
Eastern Realties (Stratford) Sub Div.		—	—	—	—	—	—	—	—	—	—
Charles Mayme (Stratford) Sub Div.		—	—	—	—	—	—	—	—	—	—
JRJ Holdings (Stratford) Sub Div.		—	—	—	—	—	—	—	—	—	—
Millenium Drive (Stratford) Sub Div.		—	—	—	—	—	—	—	—	—	—
TOTAL - DISTRICT 7		**1.35**	**1.35**	**0.00**	**0.00**	**0.00**	**1.35**	**1.35**	**1.35**	**0.35**	**0.20**
DISTRICT 8											
Fort Augustus Road	0.92	—	—	—	—	—	—	—	—	—	—
Pisquid Road	1.00	—	—	—	—	1.00	0.50	1.00	0.50	—	—
Palmer Road (Mt Stewart)	0.40	0.40		Storm Sewer		—	—	—	—	—	—
Grand Tracadie Rd (Widening)	1.00	—	—	—	—	1.00	1.00	1.00	—	—	—
Tracadie Harbour Road	1.30	—	—	—	1.30	—	—	1.30	—	—	—
TOTAL - DISTRICT 9		**0.40**	**0.00**	**0.00**	**1.30**	**2.00**	**1.50**	**3.30**	**0.50**	**0.00**	**0.00**
DISTRICT 9											
York Road - Widening	2.90	—	—	—	—	—	2.90	2.90	—	—	—
BayShore Rd - Carry over		—	Seeding	—	—	—	—	—	—	—	—
Pleasant Grove Road	0.80	—	—	—	—	—	—	—	—	—	—
Rte 25A	0.40	—	—	—	—	—	—	—	—	—	—
TOTAL - DISTRICT 10		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.90**	**2.90**	**0.00**	**0.00**	**0.00**
DISTRICT 10											
Riverside Road - Carry over	1.20	—	—	—	—	—	—	1.20	—	—	—
TOTAL - DISTRICT 10		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.20**	**0.00**	**0.00**	**0.00**
DISTRICT 12											
Hillsborough Bridge West Approach	0.48	—	—	—	—	—	—	0.48	—	—	—
TOTAL - DISTRICT 12		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.48**	**0.00**	**0.00**	**0.00**

CENTRAL REGION		Grade	Gravel Base	Fine Grade Gravel	Asph RAP	Asph Levelling	Base	Seal	New Recon.	To Be Sealed	New Pave.
DISTRICT 15											
Upton Road	1.16	—	—	—	—	—	—	1.16	—	—	—
Charlottetown Perimeter Highway - Carry over	1.80	—	—	—	—	—	—	1.80	—	—	—
Melody Lane - Carry over	0.12	—	—	Landscaping and Seeding			—	—	—	—	—
Milton Intersection -Carry over		—	—	Landscaping and Seeding			—	—	—	—	—
TOTAL - DISTRICT 15		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.96**	**0.00**	**0.00**	**0.00**
DISTRICT 16											
North River Intersection (Rutting)	0.30	—	—	—	—	—	0.10	0.30	—	—	—
Wharf Road - rap	0.40	—	—	—	0.40	—	—	—	—	—	—
Mill Road - rap	0.10	—	—	—	0.10	—	—	—	—	—	—
Lyndale Road -rap	0.70	—	—	—	0.70	—	—	—	—	—	—
Cornwall Intersection Carry over		—	Landscaping and seeding			—	—	—	—	—	—
Meadowbank Intersection Carry over		—	—	—	—	—	—	—	—	—	—
MacKenzie-Young (Cornwall) Sub-Division		—	—	—	—	—	—	—	—	—	—
York Point Road (Cornwall)	0.90	0.90	0.90	—	—	—	0.90	0.90	0.90	—	—
TOTAL - DISTRICT 16		**0.90**	**0.90**	**0.00**	**1.20**	**0.00**	**1.00**	**1.20**	**0.90**	**0.00**	**0.00**
DISTRICT 17											
New Haven Clyde River (Widening)	1.50	0.20	0.20	—	—	1.50	0.20	1.50	0.20	—	—
St. Catherines Road	1.80	—	—	—	1.80	—	—	—	—	—	—
Mill Road	0.10	—	—	—	0.10	—	—	—	—	—	—
Emerald Road	1.60	—	—	—	—	—	1.60	1.60	—	—	—
Ferguson Road	0.50	—	—	—	0.50	—	—	—	—	—	—
New Dominion Snowtrap		—	—	—	—	—	—	—	—	—	—
-widening of slopes TCH & Rte 19	1.10	1.10	—	—	—	—	—	—	—	—	—
TOTAL - DISTRICT 17		**1.30**	**0.20**	**0.00**	**2.40**	**1.50**	**1.80**	**3.10**	**0.20**	**0.00**	**0.00**
DISTRICT 18											
Portage Road	1.80	—	—	—	—	—	1.80	1.80	1.80	0.00	0.00
Mayfield Road - carry over	1.20	—	—	—	—	—	—	1.20	—	—	—
French River Rd - carry over		—	—	—	—	—	—	—	—	—	—
Church Road	1.25	—	—	—	—	—	1.25	1.25	1.25	—	—
Irishtown Road	1.00	—	—	—	—	—	1.00	1.00	1.00	0.00	0.00
New London Road	1.50	1.50	—	—	1.50	—	—	—	—	1.50	0.00
TOTAL - DISTRICT 18		**1.50**	**0.00**	**0.00**	**1.50**	**0.00**	**4.05**	**5.25**	**4.05**	**1.50**	**0.00**
CENTRAL REGION TOTALS		**5.72**	**3.82**	**0.00**	**8.10**	**4.90**	**14.05**	**24.59**	**8.45**	**1.85**	**0.20**

WESTERN REGION		Grade	Gravel Base	Asph RAP	Asph Levelling	Base	Seal	New Recon.	To Be Sealed	New Pave.
DISTRICT 19										
Ross's Corner - McMurdo Road	0.45	0.10	0.10	—	0.35	0.10	0.45	0.45	—	—
Lower Freetown	1.50	0.50	0.50	—	1.00	0.50	1.50	0.50	—	—
Searletown Road	1.20	—	—	—	1.20	—	1.20	—	—	—
TOTAL - DISTRICT 19		***0.60***	***0.60***	***0.00***	***2.55***	***0.60***	***3.15***	***0.95***	***0.00***	***0.00***
DISTRICT 20										
Kings (Wharf) Rd To Cabot Park	2.30	—	—	—	2.30	—	2.30	—	—	—
Margate Corner Intersection	0.50	0.50	0.50	—	—	0.50	0.50	0.50	—	—
Clermont Road	1.70	1.70	1.70	—	—	1.70	1.70	1.70	—	—
TOTAL - DISTRICT 20		***2.20***	***2.20***	***0.00***	***2.30***	***2.20***	***4.50***	***2.20***	***0.00***	***0.00***
DISTRICT 21										
TOTAL - DISTRICT 21		***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***
DISTRICT 22										
TOTAL - DISTRICT 22		***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***
DISTRICT 23										
Harmony Line Road	0.70	0.70	0.70	—	—	0.70	0.70	0.70	—	—
Lennox Island Road	1.40	—	—	—	1.40	—	1.40	—	—	—
Allen Road to Southwest Lot 16	1.00	—	—	—	—	—	1.00	—	—	—
Southwest Lot 16	1.00	—	—	—	—	—	1.00	—	—	—
Bayside Road	1.00	—	—	—	1.00	—	1.00	—	—	—
TOTAL - DISTRICT 23		***0.70***	***0.70***	***0.00***	***2.40***	***0.70***	***5.10***	***0.70***	***0.00***	***0.00***
DISTRICT 24										
Abrams Village	1.70	—	—	—	1.70	—	1.70	—	—	—
Harmony Line Road	0.70	0.70	0.70	—	—	0.70	0.70	0.70	—	—
Wellington - Storm Sewer	0.50	—	—	—	—	—	—	—	—	—
Maximeville	1.00	1.00	—	—	1.00	—	1.00	—	—	—
TOTAL - DISTRICT 24		***1.70***	***0.70***	***0.00***	***2.70***	***0.70***	***3.40***	***0.70***	***0.00***	***0.00***

WESTERN REGION		Grade	Gravel Base	Asph RAP	Asph Levelling	Base	Seal	New Recon.	To Be Sealed	New Pave.
DISTRICT 25										
O'Halloran Road	1.00	1.00	1.00	—	—	1.00	1.00	1.00	—	—
Gaspe Road	1.00	1.00	1.00	—	—	1.00	1.00	1.00	—	—
Locke Road	1.00	—	—	—	1.00	—	1.00	—	—	—
Gaspe Road	1.10	—	—	—	1.10	—	1.10	—	—	—
Rafferty Road	1.00	—	—	—	1.00	—	1.00	—	—	—
McIsaac Road	1.00	—	—	—	1.00	—	1.00	—	—	—
Duvar Road	1.00	—	—	—	1.00	—	1.00	—	—	—
Plusville Road	0.50	—	—	—	0.50	—	0.50	—	—	—
TOTAL - DISTRICT 25		***2.00***	***2.00***	***0.00***	***5.60***	***2.00***	***7.60***	***2.00***	***0.00***	***0.00***

DISTRICT 26										
Roseville Road	1.00	—	—	—	1.00	—	1.00	—	—	—
Kildare Road	0.70	—	—	—	1.80	—	1.80	—	—	—
Waterford to Pleasantview	2.10	—	—	—	2.10	—	2.10	—	—	—
Northport Road	1.35	—	—	—	1.35	—	1.35	—	—	—
Piusville Road	0.50	—	—	—	0.50	—	0.50	—	—	—
TOTAL - DISTRICT 26		**0.00**	**0.00**	**0.00**	**6.75**	**0.00**	**6.75**	**0.00**	**0.00**	**0.00**
DISTRICT 27										
Doucette Road	1.20	1.20	1.20	—	—	1.20	1.20	1.20	—	1.20
Phee Road	0.15	0.15	0.15	—	—	0.15	0.15	—	—	0.15
Tignish Shore Road	2.30	—	—	—	2.30	—	2.30	—	—	—
Old Western Road	0.10	0.10	0.10	—	—	—	—	—	—	—
Abegweit Seafood	0.20	0.20	—	0.20	—	—	—	—	—	—
TOTAL - DISTRICT 27		**1.65**	**1.45**	**0.20**	**2.30**	**1.35**	**3.65**	**1.20**	**0.00**	**1.35**
WESTERN REGION TOTALS		**8.85**	**7.65**	**0.20**	**24.60**	**7.55**	**34.15**	**7.75**	**0.00**	**1.35**

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Province of Prince Edward Island

FEDERAL FUNDING REPORT

2000/2001

KINGS COUNTY		Grade	Gravel Base	Asph RAP	Asph Levelling	Base	Seal	New Recon.	To Be Sealed	New Pave.
Greenwich Central	1.10	1.10	1.10	—	—	0.30	0.30	0.30	—	0.30
Greenwich Western & Central			Parking Lots, cart paths and Landscaping							
TOTAL KINGS COUNTY		***1.10***	***1.10***	***0.00***	***0.00***	***0.30***	***0.30***	***0.30***	***0.00***	***0.30***

Western Region Traffic Operations

Highway Signage

During the past year, winter damage was minor and Halloween damage was relatively light.

The areas were covered by one permanent and one casual crew. The casual crew works out of the O'Leary area from May to November. The other crew works out of Summerside for the same period but covers the entire area from November to May.

The crews maintain and install directional signage, community signs, scenic route signs, street name signs, road name signs, warning signs, 911 road name signs and regulatory signs.

The sign crews continue to erect, maintain and remove the H.I.S.S.(Highway Information Signage System) standards and signs.

The crews spend approximately six weeks in the spring to repair any standards/signage damaged throughout the winter. During the summer months the crews spend the summer erecting and maintaining new signs.

Highway Marking

The three counties continue to share the centerline striping truck and the ton truck which paints the shoulder lines.

The pre-marking crew continued to pre-mark new construction and maintenance for the centerline crew and intersection crew.

The intersection painting crew continued to paint yellow islands, white turning arrows, stop bars, and advance warnings under a regular maintenance program and new construction.

Highway Lighting

Maintenance of low pressure sodium lights in Prince County was carried out under one maintenance contract. Maintenance of traffic signals, flashing becons, and other lighting was carried out as required. Fifteen LPS were installed, three at MacMurdoRoad /Route 1A, one at Margate Corner, five at Selmon Park/Route 2, five at Profit's Corner and one at Harmony Line Road.

Highway Access Control

Under the Roads Act Arterial Highway Regulations, twenty applications were received from Prince County for review. Access reviews continued on lower class roads with thirty locations being examined for safety and access conditions.

Central Region Traffic Operations

The Traffic Operations section is responsible for the installation and maintenance of highway signs, highway markings, highway lighting, traffic signals and the Highway Information Signage System. The section is also responsible for access control and collection of fees for entrance way installations.

Highway Signage

One full time and one part time sign crew erected and maintained signage throughout the region. In addition to this, crews continued to erect and maintain detours for highway construction sites. Road name signs were erected at all unnumbered roads as were some of the numbered routes. Road name signs were erected on the Private Roads as well. The signage was required to compliment the implementation of the 911 Emergency Response system in the province.

Highway Markings

The highway markings in the Region are placed by Departmental crews. These crews place markings for centreline, edge line, lane lines, as well as turning arrows and channelization islands.

Centreline markings were applied to approximately **760** kilometres of paved highways and **60** kilometres of asphalt resurfacing. Shoulder lines or edge lines were painted on approximately **170** kilometres of highway.

Highway Lighting

Highway lighting is maintained under two maintenance contracts: Queens County and Hillsborough Bridge. Maintenance of traffic signals, flashing beacons, etc., was carried out as required.

Flashing beacons or heavy barricades, as well as portable flashing arrow boards, were used at several locations for bridge construction, road construction and detours.

Highway Information Signage System

All highway information signs were erected and maintained by the Traffic Operations Section. One day per week was required of the sign crews in May, June, and July to keep up with the demand of this program.

There were approximately **250** new signs installed this year. The program has approximately **500** standards and **1,000** signs in the Region. There continues to be a high turnover of businesses in the program. Signs that are no longer required are stripped and re-used.

Access Control

Access controls for subdivisions or building permits were reviewed at approximately **100** locations. Access to arterial highways requires an Entrance Way Permit under the Roads Act Arterial Regulations. Approximately **25** of these applications were handled this year. The Department also responded to numerous inquiries on these regulations.

Highway Lighting

There are currently 21 signalized intersections within the Cental Region of the Province.

Highway Signage

Installation and maintenance of highway signs were carried out by one full-time sign crew based out of Souris and one full-time sign crew based out of Charlottetown. In addition to highway signs, the crews were responsible for the installation and maintenance of the Highway Information Signage System, as well as signing detours and some construction signage. With the heavy snowfalls of this past winter, sign damage in the spring will be significant. The problem with Halloween damage appears to have diminished over the years, although there are instances of isolated vandalism and theft of signs.

Highway Information Signs

Administration of the Highway Information Signage System was carried out by the Department of Economic Development and Tourism. Sign orders were passed on to the provincial sign shop in Tignish and after manufacture, were installed by the regional sign crews. There were 138 new signs manufactured for new clients and 44 signs that were damaged or faded were replaced. There were 47 signs removed for clients who are no longer in the program. There were 380 old sign blanks chemically stripped for re-use.

Highway Marking

Centerline marking was applied to approximately 960 km of existing highway by the centerline striping machine based out of Charlottetown. In addition to this, 48 kilometres of new construction was pre-marked and painted. Shoulder lines and lane lines were applied to 146 kilometres of arterial highway. Edge lines were painted on approximately 40 km of arterial highway.

Intersections in the region were re-painted by the intersection marking crew, based out of Kings County.

Highway Lighting

Maintenance of highway lighting was carried out by Don MacLeod Electric in Queens County and by Foster Campbell Electric Ltd. in Kings County.

Area Lighting was improved by adding two 180 watt Low Pressure Sodium lights on the Vernon River Bridge. Four additional 180 watt Low Pressure sodium lights were added to the newly constructed intersection in St. Peters Bay. Improvements to the Kinlock Road intersection involved the installation of traffic signals and improved area lighting. As well, traffic signals and area lighting were installed at the entrance to the Montague Market development in Montague.

Flashing beacons and lighted barricades were used for detours and in advance of some major highway construction projects.

Access Control

There were ten applications for access to arterial highways that were evaluated for entrance way permits. In addition to this, 31 requests for sight distance evaluations were received and from Community and Cultural Affairs, and responded to.

MATERIALS AND SOILS SECTION 2000

A total of eight plants were engaged in the production of asphaltic concrete. Drum type mixers made up 100 percent of the asphalt plants in the Province.

Asphalt

Approximately 250,000 tonnes of asphaltic concrete was produced in 2000. This included binder course, surface course, levelling course and maintenance mixes. A price adjusted, end result specification was applied to hot mix compaction on specified contracts.

Daily inspection was carried out at each of the eight plants to control the quality of the mix produced. A total of 959 asphalt mix samples were collected and analysed for compliance with Department Specifications. This resulted in a testing frequency of one test for every 261 tonnes of asphalt mix produced. A total of 747 cores were removed from the contracts to determine compliance with compaction and thickness requirements.

The use of local aggregates was limited to blend sands. The type and amount of testing carried out to ensure the quality of the aggregates is noted below.

Test	No. of Tests
Sieve Analysis	1356
Specific Gravity	114
Soundness	27
Abrasion	6
Petrographic Number	9
Crush Count	6
Sand Equivalent	7
Flat & Elongated Particles	6
Micro-Deval	13

In addition 14 Marshall Mix designs were carried out to determine aggregate proportions and optimum asphalt cement contents.

Asphalt cement specification compliance testing was performed on performance grade 58-28 and 52-28 asphalt cement. A total of 30 samples were taken.

Test	No. of Tests
Specific Gravity	26
Kinematic Viscosity	13
Penetration	26

Soils

Soils testing dealt mainly with pulverized asphalt and soil-cement, granular base course, and select borrow. Tests carried out on these materials included sieve analysis, moisture-density relationship, specific gravity, and degree of compaction. A total of 299 samples were processed during the year.

Test	No. of Tests
Sieve Analysis	299
Moisture-Density	28
Compaction Test	892
Specific Gravity	10

The continued use of the Lab's mobile drilling unit permitted comprehensive subgrade investigations to be carried out. A total of 989 samples were obtained from 42 different contracts. On these samples, 989 sieve analysis and 989 moisture contents were performed. In addition, 72 atterberg limit tests, 41 hydrometer analysis and 127 organic indicator tests were performed.

Concrete

Testing and inspection services were provided for the following Projects:

Cardigan Shore Road
Kinlock Road/TCH Intersection
St. Peter's Intersection
Survey Monuments

A total of 36 concrete test cylinders were tested for compressive strength. In addition 12 slump tests and 14 air content tests were performed.

Benkelman Beam

The deflection testing program continued to provide information for overlay thickness design and the spring weight restriction program.

Profilograph

A price adjusted smoothness specification was implemented on reconstruction contracts.

Provincial Sign Shop Operation Report

The Sign Shop continued to produce highway signage for the Island. A casual employee hired from June to February was appointed an 8 month position in December, after the interview process. She is the third permenant employee on staff at the shop. One to two casuals were hired as needed through the year, as well as three extra casual staff to help produce the large amount of 911 Public and Private Road Names signs required, and to offset a 6 month leave by a permanent staff member.

A flat bed plotter, computer, scanner and supporting software were purchased in the spring to keep up with the growing demand for the variety of signage requested. The carpentry shop also expanded its equipment to include a 10" Professional Radial Arm Saw and a 3/4" Heavy Duty Floor Model Drill Press. A new air compressor for the Hand Squeeze Roller Applicator was also purchased to replace a smaller model that was no longer working.

The following is a breakdown of the signage produced this year at the Provincial Sign Shop:

County	Prince	Queens	Kings
Directional	41	64	55
Regulation and Warning	1345	176	52
Route Assemblies	135	250	192
Community	32	25	38
Street Signage	24	82	99
Aluminum Street Signage		31	93
Construction	402		
HISS	144	159	185
911 Private Road Names	213	216	215
911 Road Name Signage	386	198	412
Total	**2722**	**1201**	**1341**

Signs sent to Charlottetown Stock	2444
Construction signs sent to Ch'town Stock	871
Specialty signs within Transportation	207
Signs made for other departments	757
Municipalities	108
Silkscreen (other companies)	14
Construction (other companies)	142
Metal Delineators made for Transportation	1400
Responding to Community Needs Boards	1
Rails to Trails Project Signs	54
Rails to Trails Delineators	400
Parks Canada	132
Total	**6530**

Prince County	2722
Queens County	1201
Kings County	1341
Total	**5264**
Grand Total	**11,794**

ENGINEERING SERVICES SECTION

The Engineering Service Section is responsible for the following activities:

-Mapping and Geographic Information System (GIS-T)
-Surveys
-Subdivision Development
-Departmental Records Management
-General Provisions & Contract Specifications for Highway Construction
-Weigh Scale Contract Quantities
-Pavement Management

In addition to the above noted activities, the Engineering Services Section provided considerable research, data analysis, applicable expertise, and graphic presentation capabilities to other sections of the Department and other Departments on historical infrastructure records, highway access, weight regulations, accident review, traffic data, commercial development, and various designs. The section also participates in policy development by involvement with local regional, national and international organizations.

Mapping and Geographic Information System in Transportation (GIS-T)

In the fiscal year of 2000 a number of key initiatives were either begun or advanced within the department's GIS-T program.

Negotiations began with Natural Resources Canada (NRCan) to undertake a joint road mapping project of Prince Edward Island which will comply with new national digital mapping standards. The Prince Edward Island mapping will be combined with the road mapping from the other provinces and territories to create an Updated Road Network for Canada (URN). Discussions were held with NRCan outlining the program's goals and processes. Preliminary negotiations included global positioning systems (GPS) technology, mapping accuracies, attribution of data,

funding for data modelling and the bidding process. NRCan has scheduled this project to be completed by spring 2003. This initiative will provide an up-to-date road centreline file conforming to national standards at no cost to the department in exchange for regular updates of new road geometries.

To aid the department in roadway mapping and asset inventorying, GPS product research was conducted along with a review of departmental technical requirements. A number of vendors demonstrated their equipment, and the most suitable equipment was purchased. Electronic distance measuring hardware was also purchased and then modified to interface with the GPS. Successful field trials of all equipment were conducted in the spring of 2001.

The Department of Agriculture and Forestry Land Use Inventory 2000 project was put into full production after the aerial photography was flown during the summer. This department has provided funding for two temporary staff members to assist in the production of digital orthographic images.

GIS applications were introduced to the department by assembling a collection of datasets in ArcExplorer, a free GIS viewer. The necessary software was installed and a number of informal training sessions and demonstrations were held with Department staff.

A new edition of the Provincial Road Atlas was released this year. Improvements include E-911 road name changes, indexing of street names and grid referencing. A new Environmental Management Atlas was also prepared showing the locations of watersheds, bridge structures, pits, dumps, and sand storage sites.

Three meetings were held this year with GIS-T staff from the Maritime Provinces. Each province demonstrated the status of their GIS-T initiatives indicating their organizations, equipment, and future plans. Discussions were held on the possibilities of cooperative involvement or partnerships in the development of standards, programming, and skills in the preparation and implementation of GIS-T projects.

Surveys Section - The Office of the Provincial Chief Surveyor

This section provides council on specific legal and technical aspects as they relate to land surveying in Prince Edward Island. It maintains a close working relationship with various other Government groups including the Design Section, Risk Management & Insurance Section, Taxation & Property Records Division, the Legal Services Division of the Department of Provincial Affairs and Attorney General, as well as other lawyers, land surveyors and engineering professionals throughout the province and abroad. This section fulfills the following essential functions:

-Providing timely, comprehensive, & efficient land surveying and engineering surveying services on provincial lands and public roads;

-Collecting evidence and providing council on the legal nature (public or private) of particular roads, right-of-ways, and public easements in this province;

-Maintaining and managing the provincial control survey networks and providing technical assistance to various GPS/GIS users on the provincial datum and mapping plane;

-Maintaining a library of documentary evidence and case law related to land surveying in Prince Edward Island and other provinces;

-Coordinating survey training sessions and developing standards for engineering and legal surveying crews within the Department, as well as coordinating and implementing quality control standards for the collection of engineering surveying data to ensure accuracy and reliance sufficient to exceed high engineering design standards;

-Providing a mechanism for the equitable resolution of boundary uncertainties.

To help complete these various tasks, the section is composed of a senior survey technician, a survey/research technician, part time researchers, and two survey crews consisting of one crew chief and two technicians all under the guidance of the Provincial Chief Surveyor. The entire group is specially trained in the collection and evaluation of boundary evidence and common law concepts as they relate to land surveying.

Land and engineering surveys were carried out for various government projects. Of note, aerotriangulation control was provided for an aerial photogrammetric campaign flown over lands for the proposed Cornwall Perimeter Highway. This new low level flight aerial photography technique enables a non-intrusive and economical capture of three dimensional information of ground features coupled with high resolution digital photographs to an accuracy of +/- 7 centimetres. This will enable comprehensive detail design of the various structures and aspects of this new highway. Aerotriangulation control was also provided for the Department of Agriculture and Forestry Land Use Inventory 2000 aerial photography.

A major addition to the section this year was the purchase of 3 survey grade GPS units. These previously leased units were available at a cost savings of 60% or more and enabled the section to benefit from this technology to provide more efficient real time positioning at a higher accuracy than traditional techniques.

Disputed public roads consumed a major portion of our resources again this year. Often at issue are shore access roads barred from public use by an adjoining land owner. Discovering evidence to substantiate a public road can often be as difficult as mediating surrounding issues with adjoining land owners and the public at large.

Survey monument maintenance this year included the installation of over 200 new monuments consisting of either a brass cap embedded atop a concrete pillar or a 1.6 metre pipe fitted with an inscribed cap and protective collar in more urban areas. Plans to conduct precise geodetic measurements on each new monument using GPS to determine their coordinates shall be completed in the new year.

Software development to enable conversion of existing GIS files from ATS77 to NAD83 has been completed and is now available. The conversion model is referred to as a grid shift file and contains specific latitude and longitude "shift" information for each 30 second grid covering the entire province. NAD83 coordinate values derived from a re-adjustment of the network constrained to the Prince Edward Island High Precision Network are also available for all provincial monuments. By comparison, 99% of the monument values obtained from the conversion model compare to within 5 centimetres of their re-adjusted values which is a good indication of the level of homogeneity of the conversion model. The focus will now move towards the conversion of all provincial GIS and other geographical datasets to NAD83 and effect legislative changes to adopt NAD83 as the province's official datum reference system.

This office also studied various boundary dispute resolution mechanisms across Canada and is currently proposing legislative changes to strengthen existing sections of the Land Survey Act and expand on a process for the equitable resolution of boundary uncertainties. In particular, two uncertain boundaries have been conferred to this Office for a determination and these cases have been set aside pending these proposed legislative changes.

This section is also responsible for the administration of various statutes relating to land contained in such legislation as the Land Survey Act, the Land Surveyors Act, the Condominium Act, The Oil and Natural Gas Act, the Mineral Resources Act and the Roads Act.

Subdivision Development

Subdivision development involved dealing with the past, current, or future development of over 40 subdivisions in various phases. Much of this work involved preliminary assessment or dealing with problems and concerns arising from previous phases of development. Development continued to take place with the developers hiring the engineers and contractors to do the work and deeding the road to the province with the necessary security to insure that the work was completed satisfactorily. The primary areas for development were Stratford, and Cornwall.

Departmental Records Management

The Engineering Services Section, under the direction of the Records Manager, maintains responsibility for the operation and development of the departmental Records Management Program and ensures that the Department complies with the acts and legislation governing the handling of government records. Near the end of the year the Departmental Records Management activities were moved to the Environmental Management Division.

The Engineering Services Section also maintains the department library of technical publications.

General Provisions and Contract Specifications for Highway Construction

The Engineering Services Section maintains the Department's "General Provisions and Contract Specifications for Highway Construction Manual." Each year the Section brings together the Specifications Review Committee from other Sections/Divisions of the Department to review and update the Manual. The tasks of the Committee are:

-promote Departmental uniformity in the application of specifications
-clarify specifications to ensure the intent is clear, concise, complete and consistently interpreted
-correct weak, ambiguous or misused specifications
-improve overall work quality through provisions and specifications
-determine which issues we must address and approve recommendations
-ensure that the specifications reflect technological advancements
-determine the direction of future specifications (i.e., end product specification)
-determine quality control and quality assurance roles
-provide communication channels for Department personnel
allocate staff and resources to the resolution of issues
-ensure that the specifications advance with information technology (i.e., digital access, specification tailored software)
-identify specifications with poor cost/benefit ratios

The Engineering Services Section then publishes the revisions and distributes them to the 200+ Manual holders. All Manual holders are registered and payments are collected from new subscribers.

Revisions to 30 Sections and Appendices of the Manual were distributed in March. Many of the Revisions were related to the inclusion off CADD drawings and changes to Appendix 3.

Weigh Scale Contract Quantities

The Engineering Services Section is responsible for ensuring current and accurate totals of all materials which are paid by weight on all highway construction and maintenance projects. The Section provides data entry of material tickets for progress payments on all highway construction and oversees the same for maintenance projects. Training and quality control supervision is provided to all district checkers, data collectors, weighers, and checkers. Scale site activities are reviewed in conjunction with Measurement Canada and Highway Safety Division to ensure that there is compliance to the Federal Weights and Measures Act, the Roads Act Vehicle Weight and Regulations, and the General Provisions and Contract Specifications for Highway Construction.

The Section assists in the development and training of the Construction Analysis and tracking System, CATS, designed to assist the capital and maintenance staff in managing their highway projects.

The section co-ordinates the activities required to maintain the records of the winter sand contracts for the Maintenance Division.

Pavement Management

The scope of Pavement Management within the Engineering Services Section during this fiscal year included the administration, operation, and management of the Pavement Condition Monitoring System (PCMSSE), Weigh-In-Motion (WIM) system, the Canadian - Strategic Highway Research Project (C-SHRP), and the Integrated Traffic Monitoring System (ITMS).

Pavement Condition Monitoring System - PCMSSE

A new Pavement Condition Monitoring System was delivered in the previous year. During the development of the system it was envisioned that each region would be responsible for data collection and system updating for their region. This information was to be shared between the three regions and merged into the master database. Efforts continued towards these objectives. The PCMSSE information operating system was delivered to each county by loading stand alone versions of the software on each users PC individually. This section installed PCMSSE software on 15 PCs in the three Regional offices.

In September and October this section supervised the initial collection of the asphalt surface distress data with regional staff. This section also assisted each region in system operation, loading the new data, and editing the traffic and other information components within the system.

Meetings were held with regional engineers and technicians to define, and, in some cases, to attempt to standardize the various processes the department utilizes to repair the road network. These processes are referred to as *"rehabilitation strategies"*. The same group tried to determine detailed costs for each of the various rehabilitation strategies. The group also attempted to define the expected performance of the various rehabilitation strategies relative to each other; and how roads built by each of these strategies would deteriorate over time. Much of this work is intuitive and is only supported by past experiences. All of the information from these meetings was incorporated in the PCMSSE system.

The current condition of the many sections of the arterial highway network, along with the costs and expected performance of the various rehabilitation strategies were then compared by the PCMSSE software to provide a rehabilitation program for up to 10 years.

Weigh In Motion System - WIM

Five Weigh-In-Motion sites are maintained on the arterial network, three of these have been used to supply C-SHRP research projects with truck and vehicular weight and size data for the past 12 years. New equipment was ordered to replace sensors in one lane of the Tryon WIM site (also a C-SHRP site) and all road sensors at the Middleton site. Data from the remaining sites is still being collected.

Calibration of the weighing and measuring sensors in the highway are critical to maintaining the integrity of the data being collected. Regular calibration is required because the sensors in the asphalt structure are subject to movement from traffic, and freeze-thaw cycles. Calibration activities were carried out at two of the 5 WIM stations. In lieu of regular calibration, the field technician reviewed the data for obvious problems and the appearance of reasonableness.

Canadian Strategic Highway Research Project, C-SHRP

The department continued to participate in C-SHRP (Canadian - Strategic Highway Research Project), as well as US-SHRP (United States - Strategic Highway Research Project) both being parts of Transportation Association of Canada's (TAC) Long Term Pavement Performance Study (LTPP) research projects. Data from these two projects was collected in the summer/early fall but

were not edited nor reviewed due to lack of manpower. This data was not sent to the SHRP offices for inclusion in their project. The field data is still being held and the intention is to edit the data and send it to TAC sometime in the next year.

Integrated Traffic Monitoring System, ITMS

A project to migrate the Integrated Traffic Monitoring System from DOS based computer programming to a WINDOWS operating format was approved. The work was led by BTC Ltd, a computer software company which has worked for the department on other systems. Considerable time and effort was required by Pavement Management staff to review the work program, provide data, and review the work to check for errors and compatibility with previous reports. The only thrust of the project was to move the information system into WINDOWS, so no new modifications were incorporated as part of the project. The project was completed including testing, delivery, and installation.

An ongoing process of verification of the 12 permanent traffic monitoring sites, implemented in 1998, was continued this year. Failures or data losses due to lane sensor problems going undetected have been virtually eliminated by this process. This verification processes tracks the accuracy of our counters to be less than + or - 2 % across permanent count stations maintained in this province.

In the summer of 2000, the department purchased and installed an above ground acoustic vehicle detector on the Hillsborough bridge approach. This counter replaces the traffic loop detector which was immobilized by a milling project on the approach. This acoustic counter was chosen in order to minimize traffic delay during the installation; traffic here exceeds 25,000 vehicles per day.

Traffic count data continued to be collected at the temporary traffic count sites. There are 115 sites in the province, and data from each site is collected three times a year, every second year.

Three students and one casual staff were hired to carry out intersection turning movement counts. These are manual counts at intersections for one day at various intersections throughout the province. This year the work included counting the majority of signalized intersections on provincial highways around the city of Charlottetown as part of the Charlottetown Area Traffic Study. A total of 38 counts were completed.

1999 - 2000 Annual Traffic Table

The table below shows 11 permanent count sites and their respective 1999 and 2000 - Annual Average Daily Traffic (AADT). The provincial traffic growth rate for Prince Edward Island shows a decrease of a 0.9% based on 1999 traffic. Ten of the 11 sites were used to calculate the provincial traffic growth.

Perm. Traffic Monitoring Sites	Annual Average Daily Traffic - AADT		Notes	Annual Change as %
	1999	2000		2000/1999
Tryon	4063	4209		3.5
North River	n/a	20585	see note #1	
Cherry Valley	6548	6923		5.4
Marie	2524	2527		0.1
Pleasant Valley	4889	4937		1.0
Richmond	4915	5001		1.7
Cavendish	1946	1859		-4.7
Milton	2003	1766		-13.4
O'Leary	1658	1629		-1.8
Confederation Br.	4410	4417		0.2
Albany	4004	3949		-1.4
		Provincial Annual % change in traffic for 2000.		***-0.9%***

note #1:One of the four individual lane traffic sensors malfunctioned in 1999.

POLICY
Land Use Co-ordinating Committee (LUCC)

The Engineering Services Section worked with staff from other Departments to review issues related to land development, including the creation of new subdivision and development regulations for resort developments. The LUCC developed a new work plan for consideration by the Strategic Planning Committee. The LUCC sponsored an Integrated Watershed Planning Workshop attended by various staff from this department.

Transportation Association of Canada (TAC)

This section continued to participate in a two TAC committees, the National Committee on Uniform Traffic Control, NCUTC, and the Road Safety Sub-committee, RSSC. The activities of those committees centres around highway safety in all aspects, with particular emphasis on traffic control devices in the NCUTC, and a broader scope of activities in the RSSC. The usual product of the deliberations of these committees is a publication produced by TAC for use by Canadian jurisdictions.

Canadian Transportation Research Forum (CTRF)

Through an annual national conference, a semiannual conference, a paper competition, published proceedings, a scholarship program, and a web site, the CTRF encourages and promotes research in all aspects of transportation, provides a forum for the exchange of ideas and research results and for the discussion of transportation issues. The Engineering Services Section assisted in preparing for and hosting the 35th Annual Conference held in Charlottetown in June 2000.

Eastern Border Transportation Coalition

North-South and East-West trade, including tourism, continues to expand. Trade and transportation corridors link major population centres and areas of economic activity on both sides of the Canada -United States border.

The Eastern Border Transportation Coalition consists of Canadian jurisdictions Ontario and east, including Prince Edward Island, and a number of US jurisdictions Michigan and east. The EBTC works toward establishing corridors to expedite the movement of goods and people between Atlantic Canada and the Eastern United States and to reduce the regulatory, administrative and institutional burdens on carriers crossing the border. The harmonization of standards and procedures will facilitate the movement of goods and people internally, between provinces within Canada, internationally, between Canada and the US, and between individual states of the US. For example, trucks should not have to be re-weighed and reinspected by every jurisdiction. With free trade, and the Intelligent Transportation System, ITS, technology available today, crossing borders (international and interprovincial) should be much simpler thus creating significant time and cost savings and efficiencies in the movement of goods.

The EBTC developed a strategic plan and a new work plan during the year. The focus continues to be on completing the data and reports associated with the Canadian Roadside Truck Survey as it relates to traffic crossing the Canada - US border. Plans are in place to participate in surveys and projects involving rail and intermodal transport crossing the border.

HIGHWAY DESIGN SECTION

The Highway Design Section provided drawings or alignments for 66 highway related projects during the fiscal year. All incoming electronic survey data provided by the Departments Survey Section were reduced and verified for accuracy prior to preparing further design work.

Detailed design work was carried out for the following highway construction projects:

Route Number	Work Done
Route 1 - Trans Canada Highway	-TCH - Albany - McCain's Plant Entrance -Charlottetown Perimeter Highway, Western Extension -TCH - New Sobey's Road -TCH - Mt. Herbert
Route 2	-Souris Beach Bank Erosion -St. Peter's to Five Houses -Mt. Stewart to St. Andrew's -Main St., Morell -Milton Station -Norboro -Kensington to Blue Shank Road
Route 4	-Montague Main St. Mall Entrance -Belles Hill
Route 19	Canoe Cove
Route 22	Mount Stewart to Pisquid
Route 101	Irishtown Road
Route 145	O'Halloren Road
Route 210	Princess Drive, Montague
Route 248	Warren Grove Road RE. Perimeter Highway Western Extension
Route 313	Greenwich Road, Parks Canada
Route 357	Panmure Island Causeway

Safety Report 2000/2001

The Department continued to increase the amount of training provided to its employees in the area of Occupational Health & Safety. A full time, Safety Training Coordinator was designated to add to the services already provided by the Technical Services Section of the Maintenance Division.

Over 1200 staff were trained in various programs utilizing both in-house professionals and private safety training providers. Workshops ranged from ½ day refresher seminars to 2 to 5 day workshops.

One major focus area was Traffic Control. The Departments Traffic Control Manual was up-dated and a series of 2 day workshops held across the Province. In addition to this the Department is committed to equipping its Traffic Control persons with highly reflective arm bands to increase visibility and enhance the drivers recognition of these very important workers.

Courses Included:

- Basic Safety Training and Awareness
- Traffic Control & Temporary Workplace Signing
- Employee Orientation
- Heavy Equipment Operations & Safety
- Confined Space Awareness & Entry
- Fall Protection
- First Aid/CPR
- Supervisors & Superintendents Responsibility
- WHMIS - Workplace Hazardous Materials Information System

HIGHWAY MAINTENANCE DIVISION
General

The Highway Maintenance Division provides a full range of operations and maintenance services on the entire provincial highway system. The Division is organized by function into the following sections and work units:

Provincial Headquarters

-Central management functions, program development, budgeting, inventory control, bulk purchasing, contracts preparation,
-Technical services relating to standardized policy and procedure for work crews, and staff training and development.

Highway Maintenance - Kings, Queens, Prince county regional operations

-Maintenance and superintendence of all provincially owned roads across the Province.
-Services include, pavement surface maintenance, roadside maintenance, drainage and storm water, unpaved roads, dust control, snow & ice control
(maintenance of signage, pavement marking and traffic control devices is provided by others).

Mechanical Branch - Kings, Queens, Prince county operations

Supply and general management of a large fleet of heavy equipment and light vehicles used directly to execute the work programs delivered by the respective county operations.
-Provision of skilled operators and equipment operation

Bridge Maintenance

-Inspection, maintenance and repair of all major water crossing structures.

CORRUGATED STEEL PIPE

The value of corrugated steel pipe purchased by the Department for its maintenance projects during the 2000-2001 season was as follows:

PLANTS	VALUE
Maritime Steel (Milton Plant)	$204,638
Maritime Steel (Bloomfield Plant)	$302,574
Campbell's Concrete	$405,688
Atlantic Hy-Span	$83,905
Total	**$996,805**

Three separate tenders were issued (one for each region) and lowest tenders were awarded accordingly. Excluding couplings, catch basins, elbows and T-joints the following footage was purchased by the Highway Maintenance Division:

DIAMETER	LIN. FT.
300 mm	1200
400 mm	5200
500 mm	10800
600 mm	4500
800 mm	960
900 mm	300
Total	**22960**

POLYETHYLENE PIPE

During 2000-2001 the Department again tendered and purchased 4000 linear feet of polyethylene culvert which was installed in various locations throughout the Province. The Department continues to monitor these installations on an on-going basis to determine the feasibility of using this relatively new product.

USED CULVERT

In an attempt to lower expenditures the Department developed a policy of re-using some used culvert to bridge various wood lot, farm and private home entrance ways. This allows the Department to realize a savings of approximately $25,000 during 2000.

HYDRO SEEDING REPORT

The Department's hydro seeding crew continued to provide service to both the Highway Maintenance and Capital Projects (Highway Construction) Divisions. As in previous years, this crew attempted to operate on a cost-recovery basis. All materials, labour and equipment utilized was internally invoiced and charged back to the appropriate projects, resulting in the crew being able to subsidize itself fully.

Total areas seeded: 102,300m^2

Hydro seeding materials tendered during 2000 included:

Grass seed	6.0 tonnes
Limestone	200 tonnes
Fertilizer	50 tonnes
Rye	2.0 tonnes
Oats	1.3 tonnes
Erosion Control	3000 m^2
Blankets	0

EASTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the first week in June to the second week in November. A total of 30,147.56 tonnes was used by the branch in repairing the Province's paved road network and financed from the pavement maintenance budget. Hand patching crews spread 6,668.62 tonnes. Our spreader crew re-surfaced 29.5 kilometres of badly distressed pavement with 17,899.89 tonnes of asphalt. Deep patching crews jack hammered out some severely damaged sections and repaired them with approximately 2,251.46 tonnes.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Matheson & MacMillan	3880.96
Chapman Bros. Construction	26266.6
Total	**30147.56**

RESURFACING

The following roads were resurfaced with 1 lift of asphalt using a government-owned spreader:

Zone 1

ROAD	KILOMETERS
North Side (016-03.1)	1.4
Baltic (302-01.2)	1
New Zealand (306-01.2)	1.11
Bear River (307-01.20	1.07
Sheep Pond (13012)	0.9
Total Kms	**5.48**

Zone 2

ROAD	KILOMETERS
Fortune (301-01.2)	1.02
Church (331-01.1)	1.01
St. Peters Harbour (23767)	1.22
Canavoy (350-01.2)	0.98
Selkirk (309-01.10)	0.77
St. Patricks (323-02.2)	1.02
North Side (016-05.2)	1.05
Total Kms	**7.07**

Zone 3

ROAD	KILOMETERS
Spry Point (53107)	1.69

Launching (311-01.3)	0.94
NewPort (311-02.1)	1.03
Sparrows (320-01.1)	1.01
Royalty (342-01.2)	0.8
Cardigan/St. Peters (313-01.1)	1.34
Spry Point (53107)	0.86
Total Kms	**7.67**

Zone 4

ROAD	KILOMETERS
Whim (316-01.2)	1.02
Sturgeon (017-01.2)	0.99
Robertson (319-01.2)	0.91
Brudenell (319-01.1)	0.73
Central Street (33096)	0.33
Total Kms	**3.98**

Zone 5

ROAD	KILOMETERS
Gray's (201-01.1)	1.26
Cape Bear (018-01.2)	1.37
Peters (324-01.2)	1.01
Jackson's (43091)	0.56

Liberty Street (Murray Harbour)	0.4
Brooklyn (317-02.1)	1.06
Beach Point Wharf (43092)	0.34
Total Kms	**6**

COUNTY TOTAL

30.20

BUSH CUTTING

During the season we had two Government mechanical bush cutters cutting bushes along our highway. A total of approximately 387 kilometres was cut. The Department hired bush crews for each of the five districts consisting of a foreman, two labourers and a half-ton truck, to follow the mechanical bush cutters to pick up debris and trim where the cutter could not reach. We also used a mechanical brush chipper to eliminate the need to haul away the slash.

ROAD MAINTENANCE

During the past year, our motor graders were used to scrape and maintain our unpaved road network. In some cases, roads were also ditched and loaders and trucks (Department and privately-owned) were used to haul away unsuitable material.

Sandstone and/or gravel was placed as a new surface material and new culverts, driveway or cross pipes, were installed as required.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately-owned ditching machines and trucks. New culverts were installed as required.

Sandstone, gravel and/or rock used to carry out the above tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

SANDSTONE (m3)	GRAVEL (t)	ROCK (m3)
22178	15415.17	527.66

The amount of culvert material installed was as follows:

SIZE	LENGTH
300 mm (12")	167'
450 mm (16")	1507'
500 mm (20")	2850'
600 mm (24")	1805'
750 mm (30")	85'
12" plastic	100
15" plastic	160'
16" plastic	40'
18" plastic	250'
20" plastic	0
24" plastic	40'
36" plastic	60'
Concrete 900 mm	22.5'

GRASS CUTTING

The Department hired one private grass cutter equipped with a rotary mower to maintain 98.3 kilometres of roadside grass. This contractor was contracted to cut grass from the middle of June until the end of September. In addition, three farm tractors equipped with rotary mowers and side cutter attachments were utilized for roadside grass cutting on the balance of approximately 900 kilometres throughout the County.

SHOULDER MATERIAL

During the past season, shoulder material was used to upgrade and repair worn out sections of shoulders on the following roads:

Zone 1

ROAD	KILOMETERS
New Zealand	0.12
Souris Line Road	0.2
Gowan Brae	0.025
St. Columbia	0.05
Green Street	0.5
Baltic Road	0.05
East Point	0.05
Bothwell	0.2
Total Kms	**1.195**

Zone 2

ROAD	KILOMETERS
Selkirk	3
Peakes	2
Goose River	2
Bangor	2
Bristol	0.2
Total Kms	**9.2**

Zone 3

ROAD	KILOMETERS
Campbell	1
Seal River	1.3
Church	1.5
Cardigan	1
Georgetown	3
Total Kms	**7.8**

Zone 4

ROAD	KILOMETERS
Kilmuir (Rte 316)	1
Robertson	0.95
Central Street	0.3
Brudenell Point	0.7
Lower Montague (Rte. 17)	1.33
Total Kms	**4.28**

Zone 5

ROAD	KILOMETERS
Bruce's	2
Total Kms	**2**

DUST CONTROL

Maintenance crews used 446 - 40 kilogram bags of flaked calcium chloride to control dust in specific locations.

Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of 144,000 litres was used to treat 86.3 kilometres of road. Following is a list of roads to which liquid was applied.

ZONE 1

ROAD	KILOMETERS	LITRES
Gowan Brae	2	6923
St. Catherines	1.4	4846
Manning	0.8	2769
Park	1	3462
Totals	**5.2**	**18000**

ZONE 2

ROAD	KILOMETERS	LITRES
Mill	1	1621
Grove Pine	2.8	4538.8
333-01	1.5	2431.5
Sheehan	0.5	810.5
Church	1.3	2107.3
Selkirk	1	1621
Settlement	1.2	1945.2
Windon	1.5	2431.5
MacDougall	1.1	1783.1
Mooney	0.5	810.3
Bennett	3.5	5673.5
Forest Hill	2.1	3404.1
328-01	0.8	1296.8
Barry	2	3242

Goose River	1.2	1945.2
MacEwen	4.5	7294.5
352-01	2.3	3728.3
323.01	1.3	2107.3
352.02	1	1621
320.02	1.2	1945.2
323.02	1	1621
Totals	**33.3**	**53979.1**

ZONE 3

ROAD	KILOMETERS	LITRES
MacDonald	3	6000
Greenfield	2	4000
Brothers	2	4000
Power	0.5	1000
Lorne Valley	2	4000
Mill	2.5	5000
South DeGros Marsh	1.5	3000
Beach	1.5	3000
Cumberland	1	2000
Gray	0.5	1000
Sally's Beach	1	2000
Sandy's Lane	0.5	1000
Totals	**18**	**36000**

ZONE 4

ROAD	KILOMETERS	LITRES
Brudenell Point	0.5	1200
Campbell	2.3	5520
Compton	2	4800
Langley	0.7	1680
Loane	2	4800
Totals	**7.5**	**18000**

ZONE 5

ROAD	KILOMETERS	LITRES
Grey	2	2100
MacPherson	1	900
Compton	1	900
Gladstone	3	5250
Bruce	1	900
Cove	2	3750
Buell	1	1875
Clement	2	4500
Pembrook	0.8	750
Point Pleasant	1.8	3375
County Line	0.5	900
Blues	0.5	900
Panmure	0.5	900
Totals	**17.1**	**27000**

The accompanying tables give location and extent of work done in each district for the last fiscal year:

Zone 1	DITCHING		OTHER MAINTENANCE ACTIVITIES					
ROAD NAME	PAVED (kms)	UNPAVED (kms)	SHOULDERS (kms)	GRADED (kms)	MILLINGS	SURFACED (kms)	TAP DRAINS (kms)	BUSH CUTTING (kms)
St. Margarets			0.1					1
Bull Creek (north)						0.05		0.75
Bull Creek (south)								0.2
Trenholm								0.13
West Trenholm								0.14
Bothwell								0.23
Fountain Head						0.05		0.45
Chepstow	0.1							0.15
Rollo Bay								0.05
Longaphie								0.1
East Trenholm						0.06		0.04
Grant		0.15			0.9	0.9		
Kelly						0.1		0.1
Baltic	0.1							0.1
Souris Line	0.15							0.3
Souris River	0.3		0.1					
North Lake			0.3					0.3
Green Street			0.5					
New Zealand	0.12		0.15					
Gowan Brae	0.08							
New Harmony		0.31				0.3		
Harmony Junction		0.1						0.2
New Harmony/Kelly Road		0.13						
South Lake	0.05							
Park						0.55		

Greenvale						0.08		
Little Harbour						0.6		
Heritage						0.06		
Big Pond						0.05		
Father James						0.05		
TOTALS	**0.9**	**0.69**	**1.15**	**0**	**0.9**	**2.85**	**0**	**4.24**

Zone 2	DITCHING		OTHER MAINTENANCE ACTIVITIES					
ROAD NAME	**PAVED (kms)**	**UNPAVED (kms)**	**SHOULDERS (kms)**	**GRADED (kms)**	**MILLINGS**	**SURFACED (kms)**	**TAP DRAINS (kms)**	**BUSH CUTTING (kms)**
Kenny						0.6		
Cameron		1.4		1.4		1.4		1.4
MacPhee (Canavoy)		4				0.5		
Hgh #2 (St. Peters)	0.7							
Hgh #2 (Dingwells Mills)								3
Forest Hill	0.5							0.2
Torbell		0.5						
N. MacEwen		1.5				1.3	0.2	
Upton						0.3		
Pope						0.2		
River						0.2		
Cemetary						0.2		
Dunn						0.1		
Scully		2				0.5	0.2	2
Church								0.3
Church (St. Charles)								1
Milburn								0.5
Conahan								0.2

Fortune								0.3
St. Charles								0.2
Collins		2						0.2
Eglington								0.3
Line of the Lot								0.1
Totals	**1.2**	**8.4**	**0**	**1.4**		**5.3**	**0.4**	**9.7**

Zone 3	DITCHING		OTHER MAINTENANCE ACTIVITIES					
ROAD NAME	PAVED (kms)	UNPAVED (kms)	SHOULDERS (kms)	GRADED (kms)	MILLINGS	SURFACED (kms)	TAP DRAINS (kms)	BUSH CUTTING (kms)
Fish Hatchery				0.2		0.2		
Elm		1		1		1		1.5
Water Street (Cardigan)								
Collins		1		1	0.4	0.5		1
Gillan				0.5		0.5		
Old Upper			0.5					0.5
France		0.15						
Shore	0.1							
MacDonald Road (Little Pond)	0.4					0.1		
Campbell						1.3		
Brothers				0.3		0.3		
Lighthouse		1		1		1		1
Seal River						1.5		
Church						1.5		
Cardigan								
Knox Dam				0.2		0.2		
Read						0.1		
Old Mt. Stewart				0.2		0.2		0.4
Peakes						1.4		

McCarron					0.2			
Neilson				0.3		0.3		1
Greenfield		2		2.3	0.9	0.9		
Georgetown								
Queens	0.8		0.7					
Stanhope	0.5							
Baldwin	0.6							
Stone Arch				0.3	0.1	0.2		
Alleys Mills	0.1		0.1					
Launching	0.5							
Curran						0.2		
Annandale			0.1					
Milburn				0.2		0.2		
Creek				0.2		0.2		
MacDonald Road, Montague				1		1		
Sandys Lane				0.4		0.4		
Hazelgreen		0.2	0.2					1
Pond	0.2		0.8					
France				0.2		0.2		
Leards Mill Pond				0.2		0.2		
Kenny				0.7		0.7		
Pooles Corner	0.4							
Honey Bee Lane				0.1		0.1		
Sallys Beach				1		1		
South DeGros Marsh			0.1			0.1		
Gray						1.4		1
TOTALS:	**3.6**	**5.35**	**7.85**	**11.3**	**1.6**	**16.9**	**0**	**7.4**

Zone 4	DITCHING		OTHER MAINTENANCE ACTIVITIES					
ROAD NAME	PAVED (kms)	UNPAVED (kms)	SHOULDERS (kms)	GRADED (kms)	MILLING S	SURFACED (kms)	TAP DRAINS (kms)	BUSH CUTTING (kms)
Angus Lane			0.7	5.1		0.5		
Brudenell Point								
South Montague	0.31							
Valleyfield	0.17							
Brudenell Point (33015)								
Kilmuir (316)			1					
Robertson			0.95		0.80 (Patching)			3.17
Lower Montague (Rte 17)	0.07		1.33					3.74
Lower Montague (43029)	0.04							1.06
Heatherdale								0.48
Whim Road								0.14
Wightman's Pt.								0.06
Central Street (Montague)			0.3					
Main Street South (Montague)	0.09							
Loane								
Compton								
Dewar								
Langley								
Campbell								
Nicholson								
MacRae								
Dalmaney (354)								
County Line								
J. P's Lane (354)								

Thornton								
Jack Westaway								
Commercial (Daley Property)							0.07	
Main Street South (Montague) easement							0.27	
Totals	**0.675**	**0**	**4.28**		**0.8**	**0.5**	**0.34**	**8.65**

Zone 5	DITCHING		OTHER MAINTENANCE ACTIVITIES					
ROAD NAME	PAVED (kms)	UNPAVED (kms)	SHOULDERS (kms)	GRADED (kms)	MILLINGS	SURFACED (kms)	TAP DRAINS (kms)	BUSH CUTTING (kms)
Cahoon Wharf		1.5						
County Line		2.2						
Spring		0.4						
Peters	0.5							
Alliston	0.5							
Compton						1		
Greys						0.7		
Ross Lane	0.1					0.3		
Old Sturgeon					0.35			
Sturgeon Wharf					0.1			
Jack Westaway	0.5							
Gaspereaux								13
Gladstone								6.4
Greek River								0.2
Dover								0.3
Richards						0.3		
Brians	0.1							
Cove					0.25			
Abney								0.5

Panmure Island							0.05	0.2
Cape Bear		0.2			0.35		0.18	
Floating Bridge						0.2		
Livingstone						0.1		
Buells						0.1		
Beach					0.25			
Bruce's								
Totals	**1.7**	**4.3**	**0**	**0**	**1.3**	**2.7**	**0.23**	**20.6**

EASTERN REGION: WINTER MAINTENANCE

Winter activities in the eastern region involved salting, sanding and snow removal. Temporary patching of paved roads, water drainage and washout repairs, and any maintenance activities were required to keep our highway system as safe as possible for motoring public. To achieve this end, the following was used:

There were 8,339.35 tonnes of salt purchased.

The Region purchased 27,488 tonnes of blended salt and sand. This blended material consisted of a mixture of 6 percent salt, 30 percent imported, 1/4" minus stone and 64 percent sand. This material was stored at nine (9) sites throughout the Region.

ICE CONTROL

Ice control on sections of Highway 2, 3, 4 and 16, as well as Souris and Montague main streets, including 117 kilometres of road, was maintained by direct salt application. The remaining approximate 1,070 kilometres was maintained with sand/salt applications involving seventeen hired trucks and six Department trucks.

An additional 1519 t of blended sand was purchased to re-charge the winter sand piles during the 2000 - 2001 season.

WINTER PLOWING

Total snowfall recorded at Environment Canada recording stations in the eastern region were:

	Recorded (cm)			
Month	**Kingsboro**	**Bangor**	**Monticello**	**Alliston**
November '00	8.2	26	11	4
December '00	116.2	106	82	70
January '00	128.8	121	92	124.5
February '00	109.8	119.8	89	107
March '01	47.2	67	72	55
April '01	29.6	63	62	43

The heaviest snowfall for the snow removal season in the eastern region was recorded on January 7, 2001 at the Monticello recording station with a total of 41.0 centimeters of snow.

Contracted Services:

The following is a breakdown of the contracted snow removal services for the first year of a 3-year contract with private contractors and a list of equipment used by each.

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Truck(s)	Blower(s)
G & P Trucking	71	K2		1	3	1
Kenny's Backhoeing Ltd.	108	K3, K4	1	1	2	1
King's Co. Const.	88	K2, K3	3	2	2	2
Francis MacLean	31	K3		1	1	

The Department was responsible for plowing 919.66 kilometres of highway. To this end, 26 plow routes and 3 blower routes were established. The following equipment was assigned and located as follows:

EASTERN REGION

LOCATION	KMS	GRADERS	BLOWERS	LOADERS	TRUCK
South Lake	32.37	1			
Bayfield	27.9	1			
East Lake	36.23				1
Souris Line Road	30.87				1
Dundas	39.03	1			
St. Charles	35.89				1
Bangor	39.7				1
Forest Hill	29.5	1			
Savage Harbour	33.9			1	
Morell	36.9				1
St. Teresa's	27.4	1			
Farmington	24.98			1	
Mt. Hope	33.2	1			
Morell East	22.4				1
Bridgetown	28.3				1
Georgetown	32.2				1
Strathcona	31.93	1			
Cardigan	25.45	1			
Little Pond	32.5	1			
St. Georges	47.9				1
Whim Road	44.55				1
Sturgeon	50.75	1			
Dover	42.65				
Morell East	22.4				1
Guernsey Cove	38.8	1			
Murray River	54.56				1
Gaspereaux	39.8				1

St. Peters			1		
Cardigan			1		
Souris			1		
Totals	**919.66**	**11**	**3**	**2**	**13**

CENTRAL REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the last week in May to the first week in November. A tota of 37,564.15 tonnes was used in repairing the region's paved road network out of the Pavement Maintenance budget. Hand patching crews spread 7,825.90 tonnes. Our spreader crew resurfaced badly distressed pavemen with 23,538.02 tonnes of asphalt. Deep patching crews jack hammered out some severely damaged section and repaired them with 1983.05 tonnes and 865.28 tonnes were used to repair damage to driveway culverts tha occurred due to frost action. An additional 3,351.90 tonnes were used by the LeeBoy.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Island Construction	28086.61
Chapman Construction	9477.54
Total	**37564.15**

RESURFACING
The following roads were resurfaced with 2" lift of asphalt using a spreader:

ZONE 6

ROAD	KILOMETERS
48 Road	1
Iona	1
Millview	1
Point Prim	1.5
Total	**4.5**

ZONE 7

ZONE 7

ROAD	KILOMETERS
Habourview Drive	0.6
Matwood Drive	0.4
Burhoe Subdivision	0.36
Upper Tea Hill Crescent	0.39
Duncan Heights	0.4
Pondside Drive	0.32
Montrose Crescent	0.15
Tanton Drive	0.16
Mutch	0.25
Heron Drive	0.4
MacPherson Drive	0.35
Total	**3.78**

ZONE 8

ROAD	KILOMETERS
Cherry Hill	1
Monaghan Road	1.6
Jones Road	0.3
MacLellan Road	0.5
Chapel Lane	0.5
Total	**3.9**

ZONE 9

ROAD	KILOMETERS
Pleasant Grove Road	1

Stanhope East	1
Jenkins Road	1
West Covehead	1
Total	**4**

ZONE 15

ROAD	KILOMETERS
Hardy Mill Road	0.5
Total	**0.5**

ZONE 16

ROAD	KILOMETERS
Canoe Cove	1
Cornwall Road	1.5
Poplar Drive	0.4
Queens Road	0.37
Lorrie Drive	0.24
Eliot Drive	0.34
Total	**3.85**

ZONE 17

ROAD	KILOMETERS
St. Catherines	2
South Melville	1
Argyle Shore	1

Inkermann Road	1
Total	**5**

ZONE 18

ROAD	KILOMETERS
Grahams Road	1
Fountain Road	1
Stead Road	1
Rattenbury Road	1
Total	**4**

CRACK FILLING REPORT

This is a process whereby a hot rubberized compound is used to fill random cracks in the paved highway surface to prevent water from entering into substructure.

During the 2000 season, this program was discontinued.

GUARDRAIL PROGRAM

This year the region hired one guardrail crew. This crew was used to maintain worn out guardrail on various sections of the highway system across the region. Also, the crew used whipper snippers to cut grass and weeds around guardrails and guideposts in the district.

GRASS CUTTING

The Department used four (4) government owned farm tractors and two privately owned farm tractors equipped with a rotary or flail cutter to maintain 2,136 kms of roadside grass cutting from June to September, 2000.

DUST CONTROL

In 2000, 4 tonnes of flaked calcium chloride was used on our unpaved road network for dust control A total of 270,000 litres of liquid calcium chloride was applied for dust control in the following districts

DISTRICT	LITRES
6	27000
18	54000
16 & 17	72000
7, 9, & 15	36000
8	81000

ROAD MAINTENANCE

During the year, our district motor graders were used extensively to scrape and maintain our unpaved road network and to re-shape and reditch some others. To aid in the latter operation, loaders and trucks (department and private) were used to haul away unsuitable material. Sandstone and/or gravel was placed for a new surface material and new culverts, driveway or cross pipes were installed as required.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included department or privately owned ditching machines and sometimes department trucks but mainly privately owned trucks. Again, new culverts, driveway and cross pipes were installed as required.

District Maintenance crews, equipped with one 3 ton truck and one backhoe, were employed in repairing washouts, installing new culverts to accommodate building permits, replacing and resetting other drainage pipes or culverts, and carrying out many other miscellaneous tasks.

The following is the total materials used to carry out the above tasks of surfacing, repairing washouts and replacing drainage pipes:

Sandstone (cm)	Gravel (tonne)	Culverts (lf)	Topsoil (cm)	Rip Rap (tonne)	Crushed Asphalt (tonne)	Gabriel Stone (tonne)
18551.5	3394.45	6920	735	209.86	4377.64	98.59

The accompanying tables give the location and extent of work done in each district for the past year

Zone 6	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
China Point Road	0.3						6.7
Queen's Road							4.3
Valleyfield Rd.							3
Murray Harbour Rd.	0.1		4.8				7.3
Kinross Rd.							2.2
W. Earnscliffe Rd.							5.1
MacIsaac Lane							0.9
Dougan Rd.					0.2		1.4
Millview Rd.							2.2
Greys Rd.					0.1		
Settlement Rd.					0.2		
Taylor Rd.							0.3
Clow Rd.							1.3
Seal River Rd.							1.7
Riverview Dr.							1.6
Orwell Cove Rd							1.3
Ross Rd.							0.6
Waterside Rd.					0.2		1.7
Pinette Rd.							2.8
Brushwarf Rd.							2.9
Irving Rd.							1.2
Fairville Rd.	0.2						
Belle River Rd.		1.8	1.8	1.8	0.9		
Henry Rd.	0.3						0.6
Cook Rd.							1
McKenna Rd.							0.7
McLellan Rd.					0.5		0.7

Gay Rd.							2.1
Fairville Rd.	0.2						
Pownal Rd.							10.9
Selkirk Road			Gravel 2.1 Mill. -1.2				14.2
Cherry Valley	Cove						0.5
Glasbien Road	0.1						
Halliday Wharf							1.5
Scienta Rd.							2
Orwell Cove							0.9
Center Road		1.8	1.8	1.8	0.5		6.4
Wood Islands Road							
Village Green Road	0.1						
Camp Buchanan					0.1		
Oceanview Road					0.2		
Franks Road					0.5		0.7
Avondale Road	0.3						8.8
Newtown Road	0.9		6.2 Cut down				4.3
Trans Canada	0.2		0.2 Cut down				15.1
County Line Rd.		0.9		0.9	1		3.5

Zone 7	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Aptos Dr.	0.2				0.05		
Beacon Hill	0.04	0.3	0.4	0.2			0.3
Burhoe Sub.	0.045						0.1
Clifton Rd.					0.175		0.3
Glen Stewart Dr.	0.035	0.6		0.6		0.05	

Kinlock Road	0.4						
Keppoch Road	0.6						3.5
Keppoch Lane	0.08						0.35
Rankin Subdivision	0.2						
Tea Hill Road	0.02		0.3				
Upper Tea Hill Cr.	0.04						2

Zone 8	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Afton Road		0.9		4.2		0.4	0.2
Anderson Road		2		3		0.5	1.5
Avondale Road		0.8					3
Bedford Road	0.4					0.2	5
Bethel Road		3.5		1.9	0.8	0.5	1.8
Blooming Point Rd.	0.2						6
Buell Road			0.3				0.75
Cape Briton Rd.		0.4		2.5	0.15	0.1	2.5
Donaldston Road							4
Donagh Rd.	0.8					0.6	
Dromore Road	2	0.8		4.2		0.4	5
East River Rd.				1	0.5		1.5
Feehan's Point Road				0.5			
Fort Augustus Road			1.8				6
Frenchfort Rd.	1.25			1.5			0.55
French Village Road	0.6						2.4
Higgin's Rd.		1.1		1	0.15		0.6
Jones Rd.				0.9			0.5
MacKinnon Pt. Road				1.2			
MacEachern Road		1		1.5	0.1	0.2	1

Millcove Road		0.8		0.8			1.5
Mini Farms Sub.	0.7		1			0.25	
Monaghan Rd.	0.3						4
Mt. Herbert Road							1.9
Mt. Stewart	0.5					0.25	
Pisquid Road	0.4					0.2	2.1
Portage Road		0.9		4	0.8	0.2	3.6
Pt. DesRoches Rd.		6.1		6.1	0.6	1.1	1.7
Queen's Pt. Road		1.1		2	1.8		
Red Point Road		1.1	0.8	1.5			1.2
Savage Harbour			1.6	0.4			1.8
Simmon Lane Rd.				2.2			
Tarantum Road							2.5
Tracadie Harbour				0.4			1.2
Watts Road				1			1
White Road		0.4		3.1	0.4		1.5

Zone 9	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Bayshore Road	0.04		0.08				1
Brackley Pt. Rd.	0.08						
Cass's Rd.	0.08						
Covehead Rd.	0.03					0.2	
East Suffolk						0.08	
Eastern Rd.			0.03				
Friston Road	0.03						
Guerney Rd.		0.07			0.45		
Hardy Mill Rd.	0.02						
Jenkins Road	0.1		0.2				

Linden Rd.			0.5				
Lwr Marshfield Rd.	0.04						2.4
MacMillan Pt. Rd.		0.04					
Normandy Lane					0.1		
Pleasant Gr. Rd	0.12		4.95				
St. Peter's Rd.			0.1				
Stanhope Lane					0.25		
Suffolk Rd.		0.3	0.28		0.85		
Vessey Dr.			0.4				

Zone 15	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Brackley Pt. Rd.	0.12		3.8				8
Kilkenny Road	0.05						
Hurry Rd.							0.6
Lwr. Malpeque Rd.	0.06						
MacKenzie Rd.		0.02					
Malpeque Rd.	0.4						
Miller Dr.			0.04				
Union Rd.	0.03		0.7				
Warren Gr Rd.			0.35				
Winsloe Rd.	0.02		0.8				

Zone 16	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Camp Road	0.03						2.4
Fulton Dr.	0.07						

John St.	0.05						
Kingston Rd.	0.04						
Lakeview Dr.	0.1						
Lowther Dr.	0.05						
Loyalist Rd.	0.25						
Marrianne Dr.	0.02						
Meadow Bank Rd.			1.48				
Moosos Sub	0.06						
Nine Mile Creek Rd.			2.9				
Queens Rd.	0.04						
Rt #19	0.19		15.95				18
TCH	0.08						
Warren Gr. Rd.	0.05		1.25				
Warf Rd.		0.23					1

Zone 17	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
McCourt Road							0.05
Millvale Road	0.1						
Old Princetown Rd.		0.1		0.1			0.05
Old Town Road		0.2					
Rattenbury Road			0.3	0.3			
Freetown Road	0.1						1.3
Lime Rd. Emerald	0.6		0.4	0.4			
Holmes St.	0.4		0.4				1.7
Dixon Road		0.3		0.6			5.6
Elton MacLean Rd.				0.1	Shale		
Junction Rd.		0.2	0.4	0.3	Shale		4.8

7 Keys Road			0.6	0.4	Shale		5.2
Springton Road				0.4			
Clyde Road		0.4					0.05
Dump Road	0.2		0.3	0.3			
Johnson Road		0.6	1.6	0.3	Shale		
MacLeod Road							
Darlington Road			0.4				
N. Wiltshire Road			0.6	5.6			
Bannockburn Rd.	0.3		0.8				4.6
Kingston Road			0.6				5.4
Colville Road	0.1		0.1				5.4
Quinn Road		0.2		0.5			
Peters Road		0.6	0.8	0.2			
Clarkin Road		0.3	0.9	0.4			
Riverdale Road	0.3		0.3				7.3
Green Bay Road			0.2	0.3	Shale		
Bulger Park Rd.		0.2	0.3	0.3			
Green Road	0.3	0.5	0.9				4.1
Mill Road				0.2	Chips		2
Callaghan Road			0.5	0.2	Shale		0.05
McKenna Road		0.3		0.3			
Currie Road		0.3		0.1	Shale		Hand 0.3
Farrar Road		0.2		0.2			
Appin Road		0.2	0.1	0.1	Chips		5.1
South Melville Rd	0.4		1.4	1.3			9.5
Maplewood Road	0.2		0.4	0.4			5.9
Todds Road			0.5	0.5	Shale		Hand 0.5
MacDonald Road		0.1	0.2	0.2			1.8
Ross Road		0.1		0.1	Shale		
Collette Road				0.4			1.7

Balaklava Road			0.2	0.3			3.2
Westmoreland Rd.			2.3				6.6
Old Post Rd.			0.1	0.2			1.8
Crapaud Road			0.2				
Shore Rd.	0.2		1.2				1.2
Argyle Shore Rd.			5.8	0.2			
MacQuarrie Rd.			0.3	0.3			
New Argyle Road			2.3	0.3			
St. Catherines Rd.		0.1	0.1				
Cameron Road		0.1		0.1	0.1		
Shaw Road							
MacQuarrie Rd.							
Rice Point Road		0.4					2.1
MacEachern Rd.			0.2				
Clyde River Rd.	0.4		0.5				
West River Rd.	0.5		0.8				
Brookvale Road	0.4		0.6				12
Kinkora Road			0.4				0.6
Canoe Cove			0.2				
Cottage Road					0.1		
TCH	0.3		0.6				Hand 0.9
Winn Rd.							
Mill Rd.							3.4
Smith Rd.							4.2
Line Rd. Emerald		0.6					7.4
Breadalbane Rd.		0.2					3.5
Mill Rd. (Off Dixon)							0.4
Ferguson Rd.		0.1		0.5	Chips		0.5
Sandy Point Rd.	0.1			0.3	Shale		3.2
Highland Park Rd.		0.1		0.2	Shale		0.6

Holl Rd.		0.1		0.1	Shale	Cross Pipe	
Hopedale Rd.	0.2		0.2				6
Dock Rd.							3.1
Clyde Rd.		0.2			Shale	Cross Pipe	
Breadalbane			0.3			Cross Pipe	9.9
Bolger Park Rd.		0.2				Cross Pipe	0.4
Osborne Rd.						Cross Pipe	0.5
Lynwood Rd.					Chips	Cross Pipe	
Old Appin Rd.		0.6					1.2

Zone 18	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Bagnall Rd.		1.3		0.5	0.5		
Bernard Rd.		0.4		0.4	0.4		
Brookfield end - Church Rd. 243		0.5					
Buntain Rd. end - Church Rd. 243				0.6	0.6		
Campbell's Pond		0.4			Rap 0.8		
Cape Rd.		0.2			2.9		
Church Rd. 243	0.4						150m
Dave Smith Rd.		0.2					
Fountain Rd.					Recap 1.2		
Hazel Grove				0.6			
Howatt Rd.		0.2					
Hurst Rd.		0.1		0.35	0.35		

Kerrytown Rd.	0.5		0.6		0.9		
Long River North		0.1			Rap 0.15		
Long River East					0.5		
MacInnis Rd.				0.5	Rap 0.05		
MacQuarrie Rd.				0.6	0.6		
New Rd.				0.5	0.5		
New Glasgow - 224 Rte. 13							
New London Rd.		1.5		2.8	Rap 1.2		
Princetown		0.5		0.5	0.5		
Rattenbury					Recap 1.6		
Rte 6 Stanley Bridge	0.3						
Rte. 20	0.2				3.4		
Rte. 13					0.4		
Rte. 20 Seaview			0.15				5
Rte. 262							4.4
Snowie Rd.		0.6		Shale 0.5	Rap 0.5		
Campbellton					Rap 0.2		
Stead Rd.					Recap 1.0		
Grahams Rd.					Recap 1.0		
Harding Creek		0.2		0.3			
Millman Rd					Rap 0.2		
Wharf Rd.		0.4			Rap 0.4		
Buffalo Rd.					Rap 0.15		
Crabbe Rd.	0.15				Rap 0.1		
Long River Back Rd.		2.2		2.2		0.01	
Houston Rd.		0.2	0.2				
Centre Rd.		0.5		0.5	Shale 0.3		

Weeks Rd		0.4			Shale 0.4		
McCourt Rd.		0.2			Shale 0.2		
Art Ford Rd.		0.3			Shale 0.2		
Crooked Creek	0.2						
Woodside Rd.		0.6			0.6		Clear Cut Both Sides
Taylor Rd.		1.2					
Timber Lane					8.2		
Paynter Rd.							1.6
Wigmore Rd.	0.3						
RTE. 6					LeeBoy 1.2		
RTE. 224					LeeBoy 2.2		
Elsinga Rd.		0.3					
John Murphy Rd.			0.1				

CENTRAL REGION: WINTER MAINTENANCE

ICE CONTROL

Winter activities, for this branch of the Region, include salting and sanding operations, temporary repairs to paved road (200 tonnes of cold mix asphalt was used), repairing of shoulder washout maintaining and cleaning of culverts, catch basins and ditches to accommodate run-offs caused by freshets, and snow removal or clearing from eight government buildings in the Charlottetown area.

The total tonnage of salt purchased by the Region was 17,007.22 tonnes.

The City of Charlottetown purchased 2,998.90 tonnes of salt from the Department. The Region purchased 42,013.56 tonnes of blended winter sand. The blended material consisted of 6% salt, 20% crushed 1/4 minus stone and 74% local sand. The City purchased 234.62 tonnes of blended sand for its' use.

Ice control on the main 185 kilometers of highway, that has a two lane equivalent of 249 kilometers was maintained by the direct application of road salt. Four single axle trucks and four tandem trucks were used. Two, of which, were equipped with plowing gear and utilized for this purpose. Ice control on the remaining 1,625 kilometers of road (approximately) was maintained by sand/salt mix obtained

from 12 sand stockpiles throughout the County. Twenty-two trucks, equipped with automatic spreaders, were hired to carry out this activity. In addition, five department trucks were utilized to provide this service in the greater Charlottetown area and Town of Stratford.

WINTER PLOWING

Total snowfall recorded at Environment Canada recording stations in the central region were:

	Recorded (cm)					
Month	**Charlottetown**	**Elmwood**	**New Glasgow**	**Long River**	**Victoria**	**Vernon Bridge**
November '00	15.6	20	35	12	10.2	0
December '00	69.4	75.2	105	59	91.2	83
January '01	120.4	101.8	136	94	130.2	95
February '01	76.2	63.4	67	52	75.2	65
March '01	34.1	42.8	59	32	57.6	37
April '01	50	62.2	39.5	23	53.2	16

The heaviest snowfall for the snow removal season in the central region was recorded on January 7, 2001 at the Victoria recording station with a total of 72.0 centimeters of snow.

CONTRACTED SERVICES

The following is a breakdown of the contracted snow removal services for the period covered by the 2000-2003 contract.

Area 1

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Blower(s)	Truck(s)
AK Construction.	65.04	Zone 17	-	1	1	2
Island Construction	127.6	Zone 8	1	1	1	2
Island Excavators	98.07	Zone 17 & 19	3	1	1	1
Matheson Constr.	92.77	Zone 17	-	2	1	3
Cecil Pauley Const.	56.96	Zone 6	1	1	1	3
Duffy Backhoeing & Trucking	37.04	Zone 6	1	1	1	2

Area 2

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Blower(s)	Truck(s)
Birt & MacKay	77.47	Zone 8	1	1	1	3
Maritime Const.	108.8	Zone 17 & 18	-	1	1	4
Matheson & MacMillan	95.87	Zone 9, 18	1	-	1	4
Toombs Plumbing & Heating	34.35	Zone 18	-	1	-	2
North Shore Trucking	57.71	Zone 8	1	1	1	3

The Region's Government owned equipment was responsible for plowing 761 kilometres this year To this end, 74 routes were established. The following equipment, including spare equipment, was assigned and located as follows:

QUEENS COUNTY

Location	Graders	Blowers	Loaders	Trucks
TCH West				2
St. Peter Road				1
TCH East				1
Malpeque Road				1
Bedeque/ Kingston Road		1		1
Stratford	2	1	2	2
Sherwood/East&West Royalty	1			4
Fredericton/Ch'town				2
Pownal/Crossroads			1	
Stanley Bridge/North Rustico	1			
Rice Point/Rocky Point	1			

Rocky Point/Cornwall Road/Meadowbank Rd.		1		2
Cornwall/North River	2		1	
Rustico Road				1
Southport/Kinlock	1			
Wood Islands Area	1			
Selkirk Road/Vernon River		1		1
Selkirk Road/Bellevue/ Caledonia				1
Point Prim/Pinette	1			
Kinross/ Earnscliffe				1
TCH East				1
Charlottetown Garage (Includes Covehead & Bedeque Runs)	4	4	6	
Loader - Sand Pile			1	
Loader - Salt Shed *Rental*			1	
Garage Spares	1	2		1
Total	**15**	**4**	**13**	**15**

SNOW FENCE REPORT

The Region's own forces installed 2,300 metres of snow fence.

WESTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt was available from May to November. A total of 34,294 tonnes was used by the Section in repairing the Region's highway network. Nine zone crews spread 7,781 tonnes to repair potholes, distressed areas and recap culverts.

The spreader crew resurfaced 38 kilometres of paved roadways with 23,356 tonnes of asphalt mix. Chapman Bros. Construction spread 536 tonnes of asphalt mix with a Lee Boy Spreader to repair wheel rutting on Route 107.

Two Deep Patch crews spread 2,621 tonnes of asphalt mix to repair severely damaged sections of roadway and to recap cross culverts.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Gaudette's Transit Mix	336
HI Construction	14861
Curran & Briggs	19097
Total	**34294**

BUSH CUTTING

During the season, two mechanical bush cutters, government owned and operated, worked extensively cutting bushes along our right-of-ways. In the Western Region, they cut 1,714 pass kilometres. To supplement these efforts, a crew equipped with a mechanical chipper was employed to gather and shred scattered debris and to trim where mechanical cutters could not reach.

The following is the number of kilometres of bush cutting done using mechanical bush cutters by electoral zone for the Region:

Zone	Pass Km
Zone 23	340
Zone 24	320
Zone 25	364
Zone 26	228

Zone 27	252
Total	1714

GRASS CUTTING

The Region contracted nine private grass cutters to maintain 786 kilometres of paved roadside grass from the middle of June until the end of September. The remaining 454 kilometres of roadside grass cutting was carried out by three government owned and operated farm tractors equipped with rotary or flail cutters.

GUARDRAIL AND ROADSIDE MAINTENANCE

Three roadside crews were employed within the Region to repair damaged sections of guardrail. Also these crews with the aid of whipper snipper and hand lawn mowers cut grass and weeds around guardrails and guideposts in each zone.

DUST CONTROL

Flaked Calcium Chloride: 44 Tonnes of flaked calcium chloride was purchased for use on our unpaved network to control dust within the Region.

Liquid Calcium Chloride: This past season, 342,000 litres of 35% liquid calcium solution, was applied by tanker and spray bar to various granular surfaced roads within the Region.

This practice has produced a number of positive results, such as (1) increased safety due to dust control, (2) reduction in dust pollution to crops, (3) reduction in the need for grading, (4) reduction in the need for new granular, and (5) less frost heaving in winter.

ROAD MAINTENANCE

During the past year, our motor graders were used extensively to scrape and maintain our unpaved road network and to reshape and reditch failed sections. To aid in the latter operation, loaders and trucks (Department and/or privately owned) were used to haul away unsuitable material. Sandstone and/or gravel was placed for a new surface and new culverts, driveways, and cross pipes were installed as required. To help alleviated soil erosion, check dams, silt fences and/or hydro seeding were used as the situation warranted.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately owned ditching machines along with Department and

/ or privately owned trucks. Again, new culverts, driveways and cross pipes were installed as required

The Zone maintenance crews repaired washouts, installed new culverts to accommodate building permits, replaced and/or reset drainage culverts, and carried out any other maintenance tasks tha were required.

The quantities of sandstone and/or gravel used for maintenance related projects for the Region are as follows:

Sandstone (M3)	**Gravel** (tonne)	**Gabion Rock** (M3)
21200	23248	325

The accompanying tables give the location and extent of work done in each Zone for the past year

Zone 19	**DITCHING**		**OTHER MAINTENANCE ACTIVITIES**		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
Trans Can. Highway Bedeque	336m				
Dunk River Rd	568 m				
Freetown Rd	1145m				
TCH Middleton	90 m				
Seven Mile Bay Rd	115 m				
Dickie Rd	70 m				
Newton Rd	497 m				
Greenan Rd		230		230	
Schurmans Pt Rd	41 m				
Blue Shank Rd	45 m				
McMurdo Rd	413 m				
Lawless Rd		180 m			

Rte 225	167 m				
Bedeque Rink Rd		200 m			
MacCallums Pt Rd		165 m			
Fernwood		400 m	400 m	400 m	
Corbett		600 m	600 m	600 m	
MacQuarrie		1300 m	1300 m	1300 m	
Bradford		1600 m	1600 m	1600 m	
Boulter Loop				200 m	
Total	3487 m	4675 m	3900 m	4330 m	

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

Zone 20	DITCHING		OTHER MAINTENANCE ACTIVITIES		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
Margate Rd		700 m			
Old Town Rd		100 m			
Indian River Rd	400 m				
Baseline Rd		300 m	300 m		
Compton Rd		300 m			200 m
Steel Rd		900 m	900 m	900 m	
Princetown Rd		500 m	500 m	500 m	
Ramsay Rd		800 m	800 m	800 m	
Nineteen Rd	400 m				
Linkletter Rd	200 m	400 m			
Easter Rd		700 m	700 m		
Hickey Rd					200 m

Locke Shore Rd					150 m
Total:	1000 m	4700 m	3200 m	2200 m	550 m

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

Zone 23	DITCHING		OTHER MAINTENANCE ACTIVITIES		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
Warren Rd		900 m	900 m		900 m
Ballum Rd		1500 m	900 m	400 m	900 m
Murray Rd		450 m	450 m		450 m
MacKie Rd			300 m		300 m
Old Grand River Rd		200 m	200 m		
Maple Leaf Lane		300 m	300 m		300 m
Port Hill Rd	410 m				
Rte 12 Grand River	420 m				
Rte 12 Lot 16	330 m				
Belmont Rd	300 m				
Praught Rd	125 m				
Barlow Rd	495 m				
Ellerslie Rd	100 m				
Moore Rd	220 m				
Bayside Rd	325 m				
Mill Rd Beaton Rd	245 m 165 m				 200 m
Bannerman Rd					300 m
Conway Rd					500 m

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

Zone 24	DITCHING		OTHER MAINTENANCE ACTIVITIES		
NAME OF ROAD	Paved	Unpaved	Graded	Shaled	Gravelled
St. John Rd		500 m	500 m	300 m	
Cottage Rd Mt. Carmel				300 m	
Jack Eloi		600 m	400 m		
Rte 179	700 m				
Taddy Rd		400 m	400 m		
Urbainville Rd	200 m				
Egmont Bay Rd	400 m				
St. Raphael Dump Rd		300 m			
Ives Pt. Rd					700 m
Gallant Rd					
Cannontown Rd					300 m
Richards Rd					200 m
Total:	1300 m	1800 m	1300 m	600 m	1200 m

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

Zone 25	DITCHING		OTHER MAINTENANCE ACTIVITIES		
NAME OF ROAD	Paved	Unpaved	Graded	Shaled	Gravelled
Trainer Rd		1600 m	1600 m	1600 m	
Hebron Rd		1000 m	1000 m		
MacDougall Rd		500 m			

Shaw Rd		800 m			
Grand Digue		1400 m			
Ramsay Rd		500 m	500 m		
Haliburton Rd		946 m	700 m		
Joe Jerry Rd		3400 m			
Trainer Rd		2200m	1100 m		
Shaw Rd		800 m			
Division Line Rd		1000 m			
Coleman Rd	100 m				
Howlan	325 m				
Ellis St O'Leary	380 m				
Rte 14 West Pt.	143 m				
Rte 2 Coleman	150 m				
Botts Rd		383 m			
MacKinnon Rd		300 m			
Rte 148 Mt. Royal	300 m				
Rte 142	600 m				
Jack Ellis Rd		400 m			
Total:	1998 m	15229 m	4900 m	1600 m	

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

Zone 26/27	DITCHING		OTHER MAINTENANCE ACTIVITIES		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
Centerline Rd		1200 m	1200 m		1200 m
Josey Shang Rd		400 m	400 m		400 m

Pitre Rd		300 m	300 m		300 m
Rte 12 North Cape	150 m				
Rte 12 Sea Cow Pond	773 m				
Rte 12 Kildare	698 m				
Rte 14 Pleasant view	258 m				
Miminegash Harbour	460 m				
Miminegash	360 m				
Rosville	1100 m				
Centerline Rd		200 m	200 m		200 m
Haywood Rd					300 m
Trainor Rd					200 m
Cheese Factory Rd					150 m
Foy Rd					180 m
Total:	3799 m	2100 m	2100 m	-	2930 m

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

WESTERN REGION: WINTER MAINTENANCE

ICE CONTROL

Winter activities for this Branch of the Department includes snow removal, salting and sanding operations, temporary repairs to paved roads. Three hundred(300) tonnes of cold mix asphalt was used to make temporary repairs to the paved roads in the Region. Repairs to culverts, catch basins and shoulder washouts were performed as required.

The Department purchased 34,860 tonnes of blended winter sand for the Western region. The blended material consisted of 6% salt added to a sand mixture of 30% crushed 1/4 minus stone and 70% local sand. During the past year there were 11 sand piles located throughout the Western region. Sanding operations were carried out by 21 sanding contractors using Department installed spreaders.

In addition, two Department trucks were utilized to provide service in the Linkletter, Slemon Park Traveller's Rest and Lower New Annan areas. One Department truck equipped with a sand spreade and plow gear sanded 22 kms on Rte 225 from Rte 1A to Rte 13.

The Department purchased 7,762 tonnes of salt for use on approximately 200 kms of highway or the equivalent of 400 pass kms. Six tandem trucks equipped with salt/sand spreaders and snowplow gea were utilized for this purpose.

The Department had snow removal equipment stationed in the following locations in the Region.

PRINCE COUNTY

Location	Kms	Graders	4x4 trucks	Blowers	Loaders	Trucks
Tignish	40.3			2		1
Harper Rd	26.9	1				
Cascumpeque	39.4		1			
Fortune Cove	25.1					
Bloomfield	37.5					1
Coleman	33.3	1				
Poplar Grove	31.3	1				
Springhill	30.7	1				
Richmond	30.4					1
Albany	27.5		1			
Kinkora	21.4		1			
Middleton	21.8					1
S'side Garage	113	1	1	2	1	2
County Spares		2	1	1	1	1
Total	478	7	5	5	2	7

SNOW FENCE REPORT

The Department installed approximately 4,000 metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

WINTER PLOWING

Total snowfall recorded at Environment Canada recording stations in the western region were:

	Recorded (cm)		
Month	Alberton	O'Leary	Tyne Valley
November 15-30, 00	8	25	18
December 2000	75.1	76	92
January 2001	125	108	121
February 2001	93	72	68
March 2001	66.3	79	50
April 2001	30.1	17	58

The heaviest snowfall for the snow removal season in the western region was recorded on January 7, 2001 at the Tyne Valley recording station with a total of 64.0 centimeters of snow.

CONTRACTED SERVICES

The following is a breakdown of the contracted snow removal services for the period covered by the 1997-2000 contract, Area 2. This report covers the final year of the contract.

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Blower(s)	Truckplow
Clearview Construction	144.3	Zone 27	2	2	3	5
Harper Construction	84.8	Zone 26	1	1	1	2
HI Construction	91.2	Zone 26/25	2	1	1	3

Matthews Lime Spreading	93.5	Zone 25	2	2	2	2
Curran & Briggs	164.26	Zone 23	6	2	2	
AJL Limited	37.72	Zone 24	3	1	2	
Acadia Construction	111.2	Zone 24/22	3	2	2	4
Westile Construction	108.36	Zone 20,19,22	2	1	1	2
A.K. Construction	152.08	Zone 20/18	2	2	3	5
Duffy Construction	82.6	Zone 19/18	1	1	2	7

MECHANICAL BRANCH

Expenditures

Operating budgets for the Mechanical Branch in 2000-2001 totalled $10.4 million, operating expenditures for 2000-2001 totalled $10.9 million. This represents an over expenditure of $498,098. The increase in expenditures is a result of increased summer asphalt and maintenance activities, additional vehicle purchases, (including crew cab trucks to reduce rental costs to the Highway Maintenance Division), increased parts costs, fuel costs and the severe winter which required a much greater use of equipment and staff than any average winter.

The 2000-2001 expenditures were distributed in the following manner:

Activity Center	Total
Charlottetown Garage Direct	$3,411,439
Charlottetown Garage Indirect	$ 902,306
Bridgetown Garage Direct & Indirect	$1,394,558
Summerside Garage Direct	$1,681,576

Summerside Garage Indirect	$ 195,428
Prince County Operators	$ 863,349
Queens County Operators	$1,611,622
Kings County Operators	$ 806,929
Total	**$10,867,207**

Equipment

In 2000-2001 a total of $1,500,000 from capital accounts was invested to upgrade the Mechanica Branch fleet. The following equipment was purchased:

2 Tandem Trucks - all season dump and plow gear required for one
2 Single axle 4 ton trucks (with plow equip and all season dump)
8 Crew Cab 1 ton Trucks
2 Automatic sand hoppers
2 All season spreader dumps
6 1-ton dump boxes
2 Graders (with plow equip)
1 Loader (with plow equip)
1 Tractor

Each year this report includes a table to show the average fleet ages as an indicator of the progress of the fleet replacement program. The ideal number in the *"% Units Over Half Age"* column is 50% At any given time, half of the vehicles in the fleet should be older than, and half younger than, 50% of the optimum replacement age. The table shows that the Mechanical Branch fleet still is over age and identifies the problem areas. When compared to last year it shows a decline in fleet age and condition.

2000/01 FLEET AGE INDICATORS

Fleet	Optimum Life	Target Average Age	Actual Average Age	% Units Over Half Age
Light Truck	6	3	6.16	85.9%
4 Ton	9	4.5	8.63	87.5%
Tandem	9	4.5	7.14	54.5%
4X4	20	10	13.65	76.1%
Grader	21	10.5	15.4	70.6%
Loader	19	9.5	16.8	76.1%
Blower	20	10	21.53	100%
Tractor	20	10	11.76	41.6%
Excavator	15	7.5	12	100%
Trailer	15	7.5	13.2	62.8%

Replacement Program

A total review of the Department equipment was undertaken by appropriate staff to determine a replacement program over the next ten (10) years. This program was further refined to determine the most immediate needs of the Department, namely operational requirements and replacement o existing equipment that has exceeded their useful life cycle. This program identifies equipmen requirements for years 1 through 5 and the costs necessary to accomplish it.

Systems

In 1987 the Department introduced an Inventory Management System. This was used for the purpose of delivering accurate fleet operating & maintenance costs. This system has served the Departmen well. However, it had limitations on what information it could provide. In 1999 the Departmen purchased a new Fleet Management System (Fleet Anywhere). The Department introduced and wen on-line with this system in January 2000. As with any new system, there were some problems getting the system up and running. As of this date Departmental Staff have the system up and running to ou satisfaction, providing an accurate account of the Operating and Maintenance costs associated with the Department's fleet of vehicles.

Key Result Areas

The 1997-98 Annual Report reported that the Mechanical Branch had formally established a numbe of key result areas. Achievements of key result areas in 2000-2001 were as follows:

- Equipment Availability

  This key result area is an indicator of the availability of equipment when required by ou clients. The measure is in the percentage of vehicles which are not available wher required (RNA). The target is less than 1% of primary assets and the result for 1998/9 were .02%. The 2000-2001 figures are not available because the Department i continuing to fine tune the Fleet Management System, however the availability o equipment for the various divisions of the Department would be consistent with th previous year (less than .05%)

- Financial Control

  The measure for financial control is budget achievement. The target is 100% achievement of budget. In 2000-2001, expenditures exceeded budget by an amount o $498,098. The variance was the result of over expenditures in fuel, tires and parts a a result of increased operational demands, e.g., increased service levels throughout th Province, an above average snowfall, additional equipment and operator usage. I addition, the Department's fleet was increased with the addition of eight crew cabs.

- Staffing

  The Department reviewed staffing needs prior to the introduction of the Casua Conversion Program. As a result of this review 93 permanent part-time operato positions were created in addition to 13 permanent part-time Operator positions bein changed from 75% to 100% full-time-equivalency positions. A variety of other position (23) were also created, namely Body Shop workers, Heavy Duty Mechanics, Welders Labourer, Highway Equipment Supervisor, Utility Worker, Payroll Clerks, Storekeeper and Property Guards.

- Safety

  The target in this area of safety is zero lost time incidents per year. In 2000-01 th Mechanical Branch experienced 234 days lost due to work related injuries. Th Department consists of a staff of approximately 300 full-time equivalency positions whic

translates into 63000 Person Days, which gives the Department a loss day ratio of .37%. The Dept continues to look at methods that will allow for safer work environments and education of the work force in areas of safety issues

- Training

The Mechanical Branch has established training as a priority and this year we continued to provide training in the following areas:

- First Aid & CPR
- Preventive Maintenance & Pre-Trip Inspection
- Wheels & Rims Maintenance
- Rules of The Road
- WHIMIS
- Safety Attitude & The Human Factor
- Pros Do It Right
- Air Brake Maintenance
- Training on a variety of Fleet Equipment was also conducted.

Most of the above training was provided by employees from within the Branch. We will continue to provide a variety of training in the years to come.

BRIDGE MAINTENANCE

Bridge Maintenance Section is responsible for the following areas:

- bridges, timber boxes, multi-plated arches, retaining walls, approach rip rap, guardrail located on bridge, approach embankments, etc.;
- environmental procedures during construction;
- development and updating a year by year highway bridge maintenance program;
- overseeing the materials required during the construction year and ordering materials for the next;
- structural inventory;
- structural inspections,
- design and location of small drainage structures,
- special provisions and standing offer contract for bridge maintenance.

In addition to the maintenance work consisting of replacing fill and rip-rap, making small structural repairs and painting, the following is a summary of the work carried out during the year.

KINGS COUNTY:

District	Location	Description
1	Souris	Replace structure with same. 5' span x 3' high x 86 long.
1	Gowan Brae	Replace floor in the timber section of this structure. Check walls.
2	Monticello	Replace floor and check for other repairs needed.
2	Marie	Place washed gravel between sills & replace floor.
2	Head of Hillsboro	Place washed gravel between sills & replace floor.
2	Byrnes Road	Place washed gravel between sills & replace floor.
3	Riverton	Place washed gravel between sills & replace floor.
3	St. Teresa	Place washed gravel between sills & replace floor
4	Lower Montague	Timber driveway box 2' span x 3' high x 32' long.
5	Murray River	Timber driveway box 2' span x 3' high x 60' long.

QUEENS COUNTY:

District	Location	Description
8	Tarantum	Replace floor.
8	Tarantum	Replace floor.

16	Fairview	Repair upstream end of structure.
16	New Dominion	Extend existing 6' arch 12' each end.
17	Desable	Replace 4' pipe with concrete box being 3' x 5' x 48' long.
17	Stanchel	Floor bad and steel bellied a bit in the center.
17	Westmoreland	Floor bad and steel off runners.
17	Breadalbane	Reinforce west abutment with steel facing and cement.
17	South Melville	Replace floor.
17	Shamrock	Replace floor and steel off runners.
17	Shamrock	Replace floor and steel off runners.
18	French River	Timber driveway box 3'-6" span x 3' high x 34' long. Grated top.
18	Founds Mill	Floor needs repair and steel off runners.
18	North Granville	Floor bad and steel off runners.
18	Granville	Floor bad and steel off runners.
18	Granville	Replace the floor and repair end of arch.
18	Clinton	Replace floor and reset sill at downstream end.
18	Burlington	Replace floor.
18	Mayfield	Replace floor and reset sill at downstream end. RIP RAP downstream end.

18	Oyster Bed	Repair wall at both ends, corner and rip rap

PRINCE COUNTY:

District	Location	Description
19	Middleton	Timber driveway box 4' high x 5' span x 40' long.
19	South Freetown	Extend the west side of this concrete structure 10 ft. for road widening.
19	South Freetown	Extended concrete structure 10' at the downstream end.
19	Scales Pond	Repair rip rap between arches.
19	Tryon	To complete the work that was done last year on the downstream end.
19	Middleton	Replace timber floor.
20	Baltic	Replace timber floor.
20	Margate	Replace structure with a 3 wall timber box 12' span x 110' long.
23	Roxbury	Replace outside stringers and rip rap approaches.
23	Ellerslie	Repair leak in structure where timber meets concrete.
23	Alaska	Repair wing walls.
24	Wellington	Replace outside steel channel beam and repair steel caps at corners.
24	Muddy Creek	Replace timber floor.
26	Brooklyn	Repair wall at the end and replace floor.

26	Brooklyn	Replace structure.
26	Mill River East	Replace 14' steel arch with a 3 wall timber box being 13' span x 6' high x 86' long.
26	Mill River East	Replace 14' steel arch with a Hy-Span 14' wide x 8' high x 120' long.
26	Brooklyn	Replace floor and repair.
26	Dock Corner	Repair deck and clean out.
26	Brooklyn	Repair stops and clean out.
26	Miminegash	Repair Back wall.
27	Kildare Cape	Replace structure with timber pile bridge 30' span.
27	St. Rock	Replace floor and fill between sills.
27	Palmer Road	Repair deck at downstream end.
27	Jude's Point	Repair wing walls east side of bridge.

Bridge Maintenance Section has developed and continues to have an excellent working relationship with various environmental agencies, wildlife organizations, Provincial Department of Environmental Resources and the Federal Department of Fisheries and Oceans.

TECHNICAL SERVICES

During the 2000-2001 fiscal year the Technical Services Section continued to provide required training programs and develop standardized work procedures for the benefit of front-line maintenance staff. To date, most training has been in-house utilizing resident expertise. In selected areas, other provincial Departments have participated (e.g., Forestry Division) and outside agencies including Red Cross instructors.

Subject matter was not limited to but included:

- Occupational Health & Safety Regulations
- First Aid & CPR

- Work Zone Safety
- Employee Orientation
- Highway Maintenance Procedures & Policies
- Asphalt Patching Workshops
- Chain Saw Operation Certification
- Confined Space Training

An increased awareness of Occupational Health and Safety Act issues improved on-site safety.

In excess of 1000 employees received training ranging from ½ day workshops to one week sessions. These sessions resulted in an increase in productivity and a higher level of performance.

STATEMENT OF ORDINARY EXPENDITURES					
Year Ending March 31, 2001					
DEPARTMENTAL MANAGEMENT					
EXECUTIVE OFFICE					
Salaries	230,733				
Administration	28,479				
Equipment	1,414				
Materials & Supplies	21,721				
Travel & Training	40,026				
Total Executive Office		322,373			
FINANCE, HUMAN RESOURCES &					
OPERATION - DIRECTOR'S OFFICE					
Salaries	289,836				
Administration	10,589				
Equipment	275				
Materials & Supplies	366				
Professional Services	27,920				
Travel & Training	13,248				
Total Finance, Human Resources &					
Operation - Director's Office		342,234			
FINANCE SECTION					
Salaries	255,351				
Administration	24,765				
Equipment	1,939				
Materials & Supplies	8,873				
Travel & Training	3,508				
Total Finance Section		294,436			
HUMAN RESOURCES SECTION					

Salaries	369,998				
Administration	5,865				
Equipment	5,437				
Materials & Supplies	112				
Professional Services	169,463				
Travel & Training	9,647				
Total Human Resources Section		560,522			
TOTAL DEPARTMENTAL MANAGEMENT			1,519,565		
HIGHWAY SAFETY DIVISION					
HIGHWAY SAFETY - ADMINISTRATION					
Salaries	41,212				
Administration	62,471				
Equipment	2,983				
Materials & Supplies	2,618				
Professional Services	27,230				
Travel & Training	5,629				
Total Highway Safety - Administration		1-2,143			
HIGHWAY SAFETY PROMOTION					
Salaries	434,879				
Administration	4,573				
Equipment	5,908				
Materials & Supplies	103,181				
Professional Services	7,739				
Travel & Training	25,723				
Total Highway Safety Promotion		582,003			
REGISTRATION & LICENSING					
Salaries	246,611				
Administration	5,179				

Equipment	11,784				
Materials & Supplies	114,266				
Professional Services	4,108				
Travel & Training	3,214				
Total Registration & Licensing		385,162			
RECORDS					
Salaries	180,045				
Total Records		180,045			
S'SIDE DEPUTY REGISTRAR'S OFFICE					
Salaries	162,694				
Travel & Training	50				
Total S'side Deputy Registrar's Office		162,744			
HIGHWAY SCALES					
Salaries	456,721				
Administration	14,995				
Equipment	45,377				
Materials & Supplies	23,792				
Professional Services	7,341				
Travel & Training	25,528				
Total Highway Scales		573,754			
TOTAL HIGHWAY SAFETY OPERATIONS			2,025,851		
HIGHWAY MAINTENANCE					
DIRECTOR'S OFFICE					
Salaries	216,831				
Administration	14,021				

Equipment	3,072				
Materials & Supplies	32,903				
Professional Services	62,186				
Travel & Training	19,595				
Grants	75,162				
Total Director's Office		423,770			
WESTERN REGION - ADMINISTRATION					
Salaries	315,165				
Administration	36,044				
Equipment	2,754				
Materials & Supplies	1,884				
Travel & Training	65,503				
Total Western Region - Administration		421,350			
CENTRAL REGION - ADMINISTRATION					
Salaries	347,682				
Administration	60,474				
Equipment	2,730				
Materials & Supplies	7,120				
Travel & Training	65,849				
Total Central Region - Administration		483,855			
EASTERN REGION - ADMINISTRATION					
Salaries	414,668				
Administration	60,542				
Equipment	1,117				
Materials & Supplies	90				
Travel & Training	101,991				
Total Eastern Region - Administration		578,408			
TOTAL HIGHWAY MAINTENANCE			1,907,383		

HIGHWAY MAINTENANCE - ZONE					
OPERATIONS					
WESTERN REGION					
Salaries	2,200,845				
Materials & Supplies	2,825				
Travel & Training	67,780				
Total Western Region Zone Operations		2,271,450			
CENTRAL REGION					
Salaries	3,271,836				
Equipment	198				
Materials & Supplies	40				
Travel & Training	103,944				
Total Central Region Zone Operations		3,376,018			
EASTERN REGION					
Salaries	2,352,239				
Tel & Tel	2,991				
Materials & Supplies	240				
Travel & Training	31,761				
Total Eastern Region Zone Operations		2,387,231			
TOTAL HIGHWAY MAINTENANCE					
ZONE OPERATIONS			8,034,699		
SUMMER MAINTENANCE					
WESTERN REGION					
Administration	570				
Equipment	7,972				
Materials & Supplies	1,633,151				

Professional Services	81,067				
Travel & Training	2,457				
Total Western Region Summer Maintenance		1,725,217			
CENTRAL REGION					
Salaries	1,010				
Materials & Supplies	2,274,400				
Professional Services	210,449				
Travel & Training	12,360				
Total Central Region Summer Maintenance		2,498,219			
EASTERN REGION					
Administration	446				
Materials & Supplies	1,564,118				
Professional Services	50,886				
Travel & Training	44				
Total Eastern Region Summer Maintenance		1,615,494			
TOTAL SUMMER MAINTENANCE			5,838,930		
RAILS TO TRAILS MAINTENANCE					
Salaries	295,267				
Administration	9,058				
Materials & Supplies	96,493				
Professional Services	41,894				
Travel & Training	42,950				
Total Rails to Trails Maintenance		485,662			
TOTAL RAILS TO TRAILS MAINTENANCE			485,662		
WINTER MAINTENANCE					

WESTERN REGION					
Salaries	496,069				
Materials & Supplies	1,058,885				
Professional Services	2,609,676				
Total Western Region Winter Maintenance		4,164,630			
CENTRAL REGION					
Salaries	828,136				
Materials & Supplies	1,771,218				
Professional Services	2,183,669				
Travel & Training	183				
Total Central Region		4,783,206			
EASTERN REGION					
Salaries	512,073				
Materials & Supplies	962,620				
Professional Services	920,026				
Travel & Training	7,115				
Total Eastern Region Winter Maintenance		2,401,834			
TOTAL WINTER MAINTENANCE			11,349,670		
MECHANICAL BRANCH					
Salaries	6,598,042				
Equipment	70,086				
Materials & Supplies	3,842,662				
Professional Services	70,090				
Travel & Training	121,561				
Tel, Radio & Taxes Admin	161,963				
Total Mechanical Branch		10,864,404			

TOTAL MECHANICAL BRANCH			10,864,404		
BRIDGE MAINTENANCE					
Salaries	445,024				
Administration	4,152				
Materials & Supplies	147,693				
Professional Services	69,695				
Travel & Training	17,470				
Total Bridge Maintenance		684,034			
HILLSBOROUGH BRIDGE					
Professional Services	1,213,694				
Total Hillsborough Bridge		1,213,694			
TOTAL BRIDGE MAINTENANCE			1,897,728		
TOTAL HIGHWAY MAINTENANCE			40,378,476		
PUBLIC WORKS OPERATIONS					
PUBLIC WORKS ADMINISTRATION					
Salaries	572,602				
Administration	19,460				
Equipment	15,439				
Materials & Supplies	41,164				
Professional Services	3,431				
Travel & Training	27,550				
Total Public Works Administration		679,646			
DISTRICT HEATING					
Materials & Supplies	139,271				
Professional Services	2,426,983				

Total District Heating		2,566,254			
TOTAL PUBLIC WORKS ADMINISTRATION			3,245,900		
DIRECT BUILDING MAINTENANCE					
Dr. Eric Found Health Centre	57,695				
Shaw & Sullivan Buildings	1,778,245				
Jones Building	597,046				
Province House	173,411				
Province House Annex	35,419				
Government House	479,049				
Customs House	46,380				
Portable Classrooms	38,150				
Coles Building	153,805				
Prince County Jail	96,375				
Summerside Youth Centre	260,434				
Sleepy Hollow Centre	248,111				
Montague Office Complex	90,352				
Southern Kings/Queens Reg. Serv. Centre	90,713				
West Prince Reg. Serv. Centre	54,662				
French Museum	23,403				
Kings County Courthouse	26,474				
Wood Islands VIC	24,857				
Scale House - Borden/Wood Islands	50,548				
Mt. Albion Storage Warehouse	188				
Forestry Depot - Central Region	21,611				
Belmont St. Warehouse	7,454				
Kings Bi-Way VIC	44,625				
Cavendish VIC	36,655				
Vet Clinic - O'Leary	23,692				
Southern Kings Highway Depot - Bridgetown	2,517				
Alberton Courthouse	31,689				
Forestry Depot - Western Region	15,060				
Forestry Depot - Eastern Region	19,575				
Lady Slipper VIC	28,393				
Brackley VIC	13,237				
Basin Head Museum - Elmira	14,236				

Orwell Corner Museum	980				
Portage VIC	8,522				
Tyne Valley Youth Centre	37,833				
Georgetown Youth Centre	50,144				
Green Park Historic Site	1,843				
Potato Service Bldg - Kensington	24,437				
Sign Shop - Tignish	20,330				
Brighton Rd Office Complex	40,706				
Highways Material Testing Lab	50,206				
Holland College - Royalty Centre	219,896				
Total Direct Building Maintenance		5,038,958			
TOTAL DIRECT BUILDING MAINTENANCE			5,038,958		
BUILDING ACCOMMODATIONS					
Charlottetown Airport VIC	13,965				
Provincial Records Centre	24,448				
O'Leary Dental Clinic	4,120				
Harbour Quay - Summerside	22,141				
Upton Road	27,037				
Cavendish Cottage	7,464				
Kensington Community Centre	2,295				
Tignish Health Co-op	4,787				
Farm Centre	28,998				
Firearms Office	27,833				
Potato Board	36,433				
St. Peters VIC	26,881				
Confederation Centre Library	26,000				
BDC Building	38,724				
Kensington Railyards	7,333				
Access PEI - Stratford	5,087				
Access PEI - Crapaud	750				
Carr Bldg - North River Road	253				
Evangeline Regional Services Centre	66,412				
Johnny Ross Young Regional Services Centre	212,207				
Research Station	355,852				
Queens Region Health Authority - Ellis Bros. Bldg	402,536				

Health Agency Younker, Roche Bldg	336,731				
Media Centre - Basilica Rec. Centre	35,335				
Provincial Library - Morell	171,880				
St. Paul's Rectory	32,257				
Holland College	30,470				
Albert Thomas Building	83,297				
Sherwood Fire Hall	143,218				
Concorde Building	171,949				
Davies Law Courts	737,955				
Highway Safety Office	151,089				
Stonehouse VIC	65,606				
Cambridge Building	173,202				
Fisheries Warehouse	47,589				
Georgetown Office	46,275				
Kelly Building - Courthouse	217,036				
Access PEI - Summerside	517,876				
Queens County Sheriffs Office	39,031				
Technology PEI	55,296				
Smallman Building	1,820,498				
Total Building Accommodation		6,218,146			
TOTAL BUILDING ACCOMMODATION			6,218,146		
PROPERTIES					
Salaries	693,788				
Materials & Supplies	31,221				
Property Taxes of Prov-Owned Property	97,236				
Control Survey Network Maint, Legal Fees					
and Contract Services	22,537				
Equipment	3,602				
Property Write Down	150,102				
Administration	15,133				
Crown Land	31,086				
Travel & Training	41,528				
Total Properties		1,086,233			

TOTAL PROPERTIES			1,086,233		
TOTAL PUBLIC WORKS OPERATIONS			15,589,237		
CAPITAL PROJECTS DIVISION					
CHIEF ENGINEER'S OFFICE					
Salaries	238,306				
Administration	10,007				
Equipment	721				
Materials & Supplies	60,327				
Professional Services	103,966				
Travel & Training	19,172				
Total Chief Engineer's Office		432,499			
WESTERN REGION					
Salaries	885,711				
Administration	38,756				
Equipment	83,432				
Materials & Supplies	44,734				
Professional Services	17,034				
Travel & Training	64,949				
Total Western Region		1,134,616			
CENTRAL REGION					
Salaries	780,335				
Administration	24,423				
Equipment	76,255				
Materials & Supplies	27,687				
Professional Services	99,659				
Travel & Training	45,433				
Total Central Region		1,053,792			

EASTERN REGION					
Salaries	624,528				
Administration	16,692				
Equipment	29,253				
Materials & Supplies	24,814				
Professional Services	10,840				
Travel & Training	36,303				
Total Eastern Region		742,430			
TOTAL CAPITAL PROJECTS			3,363,337		
TRAFFIC OPERATIONS					
WESTERN REGION					
Salaries	278,262				
Administration	1,776				
Equipment	795				
Materials & Supplies	237,825				
Professional Services	4,110				
Travel & Training	17,918				
Total Western Region		540,686			
CENTRAL REGION					
Salaries	374,512				
Administration	5,494				
Equipment	35,923				
Materials & Supplies	533,224				
Professional Services	9,294				
Travel & Training	28,365				
Total Central Region		986,812			
EASTERN REGION					

Salaries	234,436				
Administration	6,095				
Materials & Supplies	315,976				
Professional Services	8,482				
Travel & Training	18,730				
Total Eastern Region		583,719			
SIGN SHOP					
Salaries	125,983				
Administration	1,914				
Equipment	5,462				
Materials & Supplies	178,408				
Professional Services	2,935				
Travel & Training	3,038				
Total Sign Shop		317,740			
TOTAL TRAFFIC OPERATIONS			2,428,957		
ENGINEERING SERVICES					
OPERATIONS					
Salaries	274,685				
Administration	12,661				
Equipment	24,378				
Materials & Supplies	11,272				
Professional Services	7,355				
Travel & Training	20,233				
Grants	20,000				
Total Operations		370,584			
SURVEYS					
Salaries	299,932				
Administration	5,325				

Equipment	4,994				
Materials & Supplies	10,469				
Professional Services	54,780				
Travel & Training	18,983				
Total Surveys		394,483			
PAVEMENT MANAGEMENT					
Salaries	108,178				
Administration	5,303				
Materials & Supplies	19,021				
Professional Services	4,600				
Travel & Training	7,065				
Total Pavement Management		144,167			
TOTAL ENGINEERING SERVICES			909,234		
HIGHWAY DESIGN					
Salaries	199,743				
Administration	3,552				
Equipment	58,033				
Materials & Supplies	6,973				
Professional Services	19,213				
Travel & Training	4,756				
Total Highway Design		292,270			
TOTAL HIGHWAY DESIGN			292,270		
MATERIALS TESTING LAB					
Salaries	912,899				
Administration	25,513				
Equipment	122,355				
Materials & Supplies	42,921				
Professional Services	1,225				

Travel & Training	51,938				
Total Materials Testing Lab		1,156,851			
TOTAL MATERIALS TESTING LAB			1,156,851		
TOTAL CAPITAL PROJECTS DIVISION			8,150,649		
PLANNING, DEVELOPMENT & BUILDING					
CONSTRUCTION					
DIRECTOR'S OFFICE					
Salaries	145,418				
Administration	7,240				
Equipment	8,816				
Materials & Supplies	4,894				
Professional Services	384,014				
Travel & Training	4,609				
Total Director's Office		554,991			
BUILDING CONSTRUCTION					
Salaries	204,046				
Administration	3,988				
Equipment	801				
Materials & Supplies	375				
Travel & Training	29,380				
Total Building Construction		238,590			
PLANNING					
Salaries	129,286				
Administration	2,403				
Equipment	320				
Materials & Supplies	1,486				

Professional Services	4,406				
Travel & Training	9,638				
Total Planning		147,539			
BUILDING DESIGN					
Salaries	257,778				
Administration	5,931				
Equipment	1,480				
Materials & Supplies	1,388				
Professional Services	1,936				
Travel & Training	18,463				
Total Building Design		286,976			
TOTAL PLANNING, DEVELOPMENT &					
BUILDING CONSTRUCTION			1,228,096		
ENVIRONMENTAL MANAGEMENT					
Salaries	310,469				
Administration	9,243				
Equipment	3,118				
Materials & Supplies	5,168				
Professional Services	69,017				
Travel & Training	36,790				
TOTAL ENVIRONMENTAL MANAGEMENT			433,805		
PROVINCIAL WASTE MANAGEMENT					
Salaries	95,245				
Administration	149				
Materials & Supplies	3,467				
Professional Services	808,052				
Travel & Training	6,620				

TOTAL PROVINCIAL WASTE MANAGEMENT		913,533			
TOTAL DEPT OF TRANSP & PUBLIC WKS					
ORDINARY ACCOUNT				70,239,212	
CAPITAL EXPENDITURES					
Year Ending March 31, 2001					
CULVERTS C/A					
Western Region	383,303				
Central Region	465,195				
Eastern Region	188,455				
Total Culverts C/A		1,036,953			
BRIDGES C/A					
WESTERN REGION					
Mill River East	123,538				
Miminegash Wharf Bridge	21,835				
Total Western Region		145,373			
CENTRAL REGION					
Victoria Bridge	64,366				
Total Central Region		64,366			
EASTERN REGION					
Souris River Bridge - Timber Box	71,067				

Total Eastern Region		71,067			
BRIDGES MISCELLANEOUS					
Bridges Miscellaneous	733,160				
Restore Embankment Damages-Tidal Wave	38,312				
Storm Damage	455,314				
Total Bridges Miscellaneous		1,226,786			
TOTAL BRIDGES C/A			1,507,592		
PROVINCIAL PAVING					
WESTERN REGION					
Ditching & Surfacing Dist 19	164,222				
Ditching & Surfacing Dist 20	116,764				
Ditching & Surfacing Dist 23	104,396				
Ditching & Surfacing Dist 25	92,350				
Ditching & Surfacing Dist 26 & 27	108,689				
Gov't Spreader Western Region	1,228,347				
Salt/Sand Storage Borden-Carleton	11,884				
Total Western Region		1,826,652			
CENTRAL REGION					
Ditching & Surfacing Dist 6	73,407				
Ditching & Surfacing Dist 7, 9 & 15	42,581				
Ditching & Surfacing Dist 8	60,135				
Ditching & Surfacing Dist 16 & 17	99,854				
Ditching & Surfacing Dist 18	65,171				
Spreader Long Patch Central Region	1,239,773				
Road Weather Info. System Central Region	56,575				
Centreline Painting Central Region	65,903				
Total Central Region		1,703,399			

EASTERN REGION					
Ditching & Surfacing Dist 1	113,443				
Ditching & Surfacing Dist 2	124,420				
Ditching & Surfacing Dist 3	100,877				
Ditching & Surfacing Dist 4	73,255				
Ditching & Surfacing Dist 5	36,935				
Cardigan Fish Hatchery	16,483				
Maintenance Re-cap Eastern Region	931,489				
LeeBoy Eastern Region	278,277				
Total Eastern Region		1,675,179			
PROVINCIAL PAVING MISCELLANEOUS					
Supply & Install Hoppers	39,726				
Seeding	29,203				
Crushing Asphaltic Concrete	41,775				
Total Provincial Paving Miscellaneous		110,704			
TOTAL PROVINCIAL PAVING			5,315,934		
HIGHWAY RECONSTRUCTION					
WESTERN REGION					
McMurdo Rd Rte 1A	138,489				
Freetown Rd Rte 109	342,748				
Searleton Rd Rte 112	124,314				
Scales Pond	49,683				
Tryon Rd	23,283				
Clermont Rd Rte 106	317,411				
Margate Corner Rte 6	287,032				
Wharf Rd - Cabot Park	208,019				
Slemon Park Int.	20,424				
Town of Kensington - Grant	25,000				
Granville St. Rte 2 Int.	290,989				

Lennox Island	167,144				
Howlan Bridge - Land	4,262				
Bayside Rd Rte 12	136,763				
Harmony Line, Abrams Village,					
Maximeville Rds	620,228				
McIssac Rd Rte 127	114,519				
Central & Southwest Lot 16	177,304				
Wellington Storm Sewer	28,049				
Miscouche Signals	3,682				
Duvar Rd Rte 146	117,293				
Piusville Rd Rte 149	136,133				
Rafferty Rd Rte 12	139,840				
Gaspe Rd Rte 148	179,121				
O'Holloran, Gaspe, Locke, Roseville Rds	562,390				
WP Griffin Inc-Subdivision-Bloomfield	45,710				
Kildare Rd	112,604				
St. Edwards Rd Rte 152	139,302				
Northport	197,827				
Bloomfield Office	7,397				
Rte 2 & Card Rd Int - Property	8,434				
Tignish Shore Rd	217,881				
Doucette Rd - Tignish	209,000				
Old Western Rd	37,997				
Phee Rd - Tignish	28,407				
Dalton Ave. - Realignment	24,000				
Waterford, Pleasantview, Broderick Rd Rte 161	358,796				
Abegweit Rd - Tignish Rte 12	10,003				
Profits Corner	48,172				
Total Western Region		5,659,650			
CENTRAL REGION					
TCH Rte 1 Eldon - Pinette	165,723				
MacPherson Prop - Bellevue	5,000				
Wood Islands Rd Rte 315	346,740				
Vernon River Bridge	294,671				
TCH Kinlock Int	1,188,028				
Stratford Rd Landscaping	2,135				

Kinlock Rd	51,313				
Palmer Rd - Mt. Stewart	108,045				
Pisquid Rd	162,001				
Grand Tracadie Rd	250,290				
Ft. Augustus Rd	163,445				
York Rd - Covehead	274,982				
Riverside Dr.	562,628				
Hillsborough Bridge West Approach	104,279				
Upton Rd	173,058				
Perimeter Highway By-Pass	288,744				
Milton Int.	31,586				
Melody Lane - Winsloe	22,032				
TCH North River Int.	99,102				
Cornwall Int.	32,454				
York Point Rd	316,685				
Miltonvale Park Subdivision	27,009				
New Dominion Rte 19	7,428				
Emerald Rd	179,024				
New Dominion Rte 19	164,434				
TCH - New Haven	397,910				
Church Rd	189,134				
New London Rd	92,226				
Irishtown Rd	123,423				
French River Rd	2,759				
Mayfield Rd Rte 13	69,966				
Portage Rd	159,690				
Wood Islands Rd Rte 315	58,907				
Glen Stewart Drive	3,000				
Total Central Region		6,117,851			
EASTERN REGION					
Naufrage Bridge	397,302				
Souris Line Rd Rte 305	160,091				
Northside Rd - Fairfield Rte 16	245,178				
Souris Beach	177,352				
St. Charles Rd Rte 308	456,602				
Cardigan Rd Rte 313	404,760				

St. Peters Intersection Rte 2 & 16	795,422				
Morell Bridge	19,899				
Pooles Corner Landscape	75,145				
Woodville Mills Rte 334	270,722				
Seven Mile Rd - Dundas	216,293				
Cardigan Shore Rd	224,434				
Wood Islands Rd Rte 315 - Kilmuir	382,146				
Bell's Hill	254,881				
Montague Downeast Mall Lighting	146,266				
Beach Point Rd Rte 18	283,642				
Sturgeon Rd Rte 17	154,532				
Commercial Rd - Peters Rd Int Rte 4	116,743				
Panmure Island	71,231				
Point Pleasant	15,341				
Montague Main St. Rte 4	106,759				
Total Eastern Region		4,974,741			
OTHER					
Land Purchase By-Pass	307,839				
Liquid Asphalt	10,015				
Total Other		317,854			
TOTAL HIGHWAY RECONSTRUCTION			17,070,096		
PARKING LOT ASSISTANCE	3,832				
HIGHWAY EQUIPMENT	1,487,340				
TOTAL HIGHWAY CAPITAL				26,421,747	
CAPITAL BUILDINGS					
Brighton Rd Office Complex Renovations	200,515				
Shaw Building Renovations	210,342				
Holland College Renovations Ch'town Area	250,000				
Provincial Addition Facility	96,018				
Land Purchases	352,617				

Brudenell Waste Treatment	134,567				
Dump Site Decommissioning	327,017				
East Prince Waste Management Facility	73,014				
Athena Sports Field	8,097				
Sally's Beach	73,964				
West Prince RSC Construction	160,448				
Integrated Traffic Monitoring System	50,085				
International Registration Plan	124,898				
Plasma Spectrometer	174,570				
Automated Ion Analyser	137,379				
Environmental Services Lab-Upgrade	235,268				
Sullivan Bldg Renovations	288,574				
Portage VIC	20,747				
O'Leary Community Hospital	4,854				
TOTAL CAPITAL BUILDINGS BRANCH			2,922,974		
TOTAL CAPITAL EXPENDITURES					
DEPT OF TRANSP & PUBLIC WORKS				29,344,721	
TOTAL EXPENDITURES					
TRANSP & PUBLIC WORKS				99,583,933	